

KODIAK MANAGEMENT AREA
SALMON ESCAPEMENT AND CATCH SAMPLING RESULTS, 2001

By

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ABSTRACT

A total of 1.5 million sockeye salmon *Oncorhynchus nerka* were counted as escapement through salmon counting weirs in the Kodiak Management Area (KMA) during 2001. Adult sockeye salmon were sampled for age, length, and sex determination from weired systems in the KMA. A total of 12,063 scale samples were ageable, representing a combined escapement of 1,255,456 sockeye salmon or about 81% of the total escapement counted through weirs. The sampled escapement was predominantly 5 and 6-year-old fish classified as age 2.2 (30%) and 2.3 (41%); however, the primary age classes varied by system.

The 2001 commercial salmon harvest for the KMA totaled 23.7 million fish, which was more than the recent 5-year average of 16.5 million fish. The commercial harvest consisted of approximately 24 thousand chinook *O. tshawytscha*, 2.7 million sockeye, 0.4 million coho *O. kisutch*, 19.6 million pink *O. gorbuscha*, and 1.1 million chum *O. keta* salmon. A total of 32,773 sockeye salmon were sampled for age determination from a variety of catch areas throughout the KMA. Of these samples, 25,716 scales were used to represent a combined harvest of approximately 2.2 million fish. The overall sampled catch was predominantly age 2.3 (32%), 1.3 (30%), and 2.2 (22%) fish; however, primary age classes varied by section and district.

Total sockeye salmon run estimates were formulated for seven stocks, including Spiridon Lake, Karluk Lake early and late runs, Red Lake (Ayakulik River), Frazer Lake (Dog Salmon Creek), and the Olga Lakes (Upper Station) early and late runs. The Spiridon Lake sockeye salmon run estimate of 147,295 was below the estimated 5-year (1996-2000) average run of 284,033 sockeye salmon. Age 1.2 fish accounted for about 59% of the run and age 2.2 fish accounted for about 19% of the run. The 2001 estimated Karluk Lake early sockeye salmon run of 642,463 fish was predominantly age 2.2 and 2.3 fish. This run was higher than both the 2000 estimated run and the recent 10-year average of 492,292 fish. The Karluk Lake late sockeye salmon run, estimated at 872,527 fish, was above the estimated 2000 run of 656,522 fish and slightly above the recent 10-year average of 847,674 fish. Similar to the 2001 Karluk Lake early-run, age 2.2 and 2.3 fish were predominant. The 2001 Red Lake (Ayakulik River) sockeye salmon estimated run was 586,414, which was well below the recent 10-year average of 855,549 fish. Age 2.2 and 2.3 fish composed most of the run. The Frazer Lake (Dog Salmon Creek) sockeye salmon run estimate of 403,391 fish was slightly higher than the 2000 run, but still below the recent 10-year average of 651,622 fish. About 65% of the run was classified as 6-year-old fish (age 2.3). The 2001 Upper Station early sockeye salmon run estimate was 158,648, with age 1.3 fish predominating the run. This estimated run was larger than the 2000 run and slightly higher than the recent 10-year average of 122,970 fish. The Upper Station late sockeye salmon run, which was predominantly age 2.2, was estimated at 135,015 fish. The 2001 Upper Station late run was smaller than the 2000 run and below the recent 10-year average of 532,550 fish.

INTRODUCTION

The Kodiak Management Area (KMA) encompasses western Gulf of Alaska waters surrounding the entire Kodiak Archipelago and that portion of the Alaska Peninsula draining into Shelikof Strait from Cape Douglas to Kilokak Rocks (Figure 1). The archipelago and Alaska Peninsula portions of the management area are each about 241 km in length, while Shelikof Strait averages 48 km in width.

There are about 800 anadromous salmon streams located throughout the KMA. These systems combined support five commercially important salmon species: chinook *Oncorhynchus tshawytscha*, sockeye *O. nerka*, coho *O. kisutch*, pink *O. gorbuscha*, and chum *O. keta* salmon. About 39 of these systems support various sizes of sockeye salmon runs (Wadle 2001).

Weirs provide the primary mode of enumeration for virtually all chinook salmon and a majority of the sockeye salmon escapements into area streams (Figure 2; Brodie 2000). Remaining streams are monitored by aerial and foot surveys for indexing pink, chum, and coho salmon escapements (Wadle 2001).

The KMA is composed of seven commercial salmon fishing districts and 52 sections (Figures 1 and 3-7). The emphasis of the salmon management program is to achieve escapement goals while harvesting surplus production of local stocks in an orderly fashion. Five species of salmon are commercially harvested within the KMA, all of which have established escapement goals. The “targeted” escapement goals for KMA salmon are: 11 to 18 thousand chinook, 1.3 to 1.8 million sockeye, 1.0 to 3.0 million pink (even year), 55 to 94 thousand coho, and 273 to 819 thousand chum salmon (Nelson and Lloyd 2001). Directed commercial fisheries occur on sockeye, pink, chum, and coho salmon; chinook salmon are not targeted. To open and close the fishery inseason, managers employ qualitative analyses of run timing, catch per unit effort (CPUE), species composition of the catch, regulatory management plans, aerial survey estimates, test fisheries, and weir escapement counts.

The Alaska Board of Fisheries (BOF) has approved area salmon management plans for the Cape Igvak Section of the Mainland District, Alitak Bay District, North Shelikof Strait, Westside Kodiak, Eastside Afognak, Crescent Lake, Spiridon Lake, Eastside Kodiak, Mainland District, and North Afognak/Shuyak Island (ADF&G 1999). The intent of these plans is to maintain traditional commercial fishing opportunities and subsequent harvest allocations, stock conservation, and provide for a high quality salmon product.

Age, length, and sex composition of KMA sockeye salmon escapements have been collected under the direction of various researchers and agencies since the mid 1920s. The Alaska Department of Fish and Game (ADF&G), Division of Commercial Fisheries, initiated an expanded catch and escapement sampling program focusing on sockeye salmon in 1985. The purpose of this program was to collect representative age, length, and sex data from major sockeye salmon systems as well as representative age data from selected commercial sockeye salmon catches. These data continue to expand the KMA salmon baseline database.

Numerous sockeye salmon run reconstruction projects utilize these samples, employing age marker analysis and scale pattern identification methods to estimate specific stock contributions to commercial fisheries in the KMA (Swanton 1992, Barrett and Nelson 1994, Barrett and Nelson 1995, Nelson and Swanton 1996, Nelson and Swanton 1997, Nelson 1999, Sagalkin 1999). Accordingly, these samples provide the foundation for preseason run forecasting and escapement goal evaluation.

This report summarizes the results of the 2001 KMA salmon escapement and catch sampling program. The purpose of this report is to serve as a compilation of data; therefore, interpretation and discussion of these data are limited.

METHODS

Adult Salmon Escapement and Catch Estimates

Salmon escapement enumeration was accomplished via weir counts for 13 systems throughout the KMA in 2001. Major systems enumerated by ADF&G, Division of Commercial Fisheries personnel included: Karluk, Red (Ayakulik River), Frazer (Dog Salmon Creek), and Olga Lakes (Upper Station). A weir was located both on Dog Salmon Creek and at the Frazer fish pass within the same sockeye system to facilitate timely management and maintenance and operation of the fishpass. Minor systems with weirs operated by ADF&G, Division of Commercial Fisheries personnel included: Malina Lake, Portage Lake, Pauls Lake, Afognak (Litnik) River, Saltery River, and Akalura Lake. The Division of Commercial Fisheries also operated weirs at Big Bay Creek and Bear Creek on Shuyak Island, primarily to enumerate coho salmon. ADF&G, Division of Sportfish monitored salmon escapement through a weir on the Buskin River. U.S. Fish and Wildlife employees (Kodiak National Wildlife Refuge)monitored escapement through the Little River weir.

Escapements at weirs were counted by technicians and field biologists using hand tally counters as fish migrated upstream through aluminum panel gates. These counts were treated as a census with minor adjustments made to the total counts only when high water events washed out weirs or after weir removal at season's end. When escapements were not directly counted, they were estimated by foot surveys conducted by field personnel.

KMA salmon catch numbers for the 2001 season were obtained from summary reports of individual harvest receipts (fish tickets). The fish ticket database was edited by Kodiak area salmon management biologists prior to summary reports being generated on 05 December 2001.

Adult Salmon Escapement and Catch Sampling

Sockeye salmon escapements were sampled weekly for age (scales), length, and sex (ALS), at Karluk Lake, Ayakulik River, Upper Station, and Frazer Lake weirs (Figure 2; ADF&G 2001). Sampling weeks and associated calendar dates are presented in Table 1. Fish were collected using a live box trap attached to the upstream side of the weir. Ideally, three samples of 80 fish were collected weekly on alternating days to meet the required weekly sample size of 240 fish. Within-

week adjustments were made in the schedule when necessary to obtain the full sample. The weekly escapement sample size enabled all age classes to be simultaneously estimated at $\alpha=0.10$ within $\pm 6.5\%$ of the true proportions (Thompson 1987). Smaller systems (Figure 2) were sampled with reduced intensity following the sampling schedule listed in Table 2. Afognak (Litnik) weir personnel attempted to collect three ALS samples of 480 fish from the early, middle, and late sockeye salmon run components. At Malina weir the total sample goal was 600 fish and ALS samples were collected throughout the escapement period when sufficient numbers of adult sockeye salmon were available. Pauls Lake sockeye salmon escapement samples were collected using a beach seine at the confluence of Laura Creek and Pauls Lake with a targeted sample goal of 200 fish biweekly. Additionally, 240 fish per week were sampled for ALS from the Spiridon Lake Terminal Harvest Area (SLTHA) to represent the Spiridon Lake sockeye salmon run. Both Saltery and Akalura Rivers were sampled intermittently during 2001. A total of 600 sockeye salmon were collected from each of the Foul Bay and Waterfall Bay terminal harvest areas. These samples were collected intermittently from 9 June through 1 July to represent the runs. Division of Sport Fish field personnel sampled the Buskin River sockeye salmon escapement with a goal of 140 fish every two weeks, for six weeks (Len Schwarz Alaska Department of Fish and Game, Kodiak, personal communications).

Designated commercial sockeye salmon catches were sampled weekly for age during commercial fisheries (ADF&G 2001, Table 3). The catch sample size of 400 fish per week enabled all age classes to be simultaneously estimated within 0.06 of the true proportion with 95% confidence (Thompson 1987).

Catch samples were collected at processing facilities located in the Port of Kodiak, Larsen Bay, and Lazy Bay (Figure 1). The catch sampling crew obtained fish ticket information before collecting samples to determine if the fish were exclusively harvested from a designated catch section. If fish ticket data were not available, the sampling crew interviewed the processing facility dock foreman or tender operator. Once fish ticket information became available, the origin of the catch was confirmed.

All scales, when possible, were collected from the preferred area of each fish following procedures outlined in INPFC (1963). Scales were mounted on scale "gum" cards and impressions were made on cellulose acetate (Clutter and Whitesel 1956). Fish ages were assigned by examining scale impressions for annual growth increments using a microfiche reader fitted with a 48X lens following designation criteria established by Mosher (1968). Ages were recorded on sampling forms using European notation (Koo 1962) where a decimal separates the number of winters spent in fresh water (after emergence) from the number of winters spent in salt water. The total age of the fish includes an additional year representing the time between egg deposition and emergence of fry. Length measurements were taken from mid-eye to fork-of-tail in mm and sex was determined from external morphological characteristics. All data were recorded on standard age-weight-length (AWL) data forms. AWL forms were digitally scanned and edited for errors.

Age, length, and sex statistics were computed for each escapement sampled. Age and sex composition estimates were interpolated daily between sampling events and summarized weekly when targeted sampling goals were achieved. When limited samples were obtained, the age composition was estimated to reflect the sampling period only. Length composition data were summarized by age and sex representing only the fish sampled.

When weekly targeted catch sample sizes were obtained, catch-at-age by area and day was estimated by multiplying the daily age composition of a particular sample by the daily catch from the corresponding catch area. Age composition of the catch from days not sampled was estimated using linear interpolation between sampling events. When limited catch samples were obtained for a selected catch area, age composition estimates reflect only a portion of the catch associated with the samples obtained. Descriptions of component programs used to compute age, length, and sex composition summaries can be found in Blackburn (1993).

Sockeye Salmon Run Reconstruction Estimates

Spiridon Lake

In accordance with the BOF adopted management plan, the Spiridon Lake sockeye salmon run was harvested in traditional commercial fishing areas of the Northwest (NW) Kodiak District during openings directed on local stocks (ADF&G 1999). Harvest of Spiridon Lake sockeye salmon also occurs in the Southwest (SW) Afognak Section (Nelson 1999). The remainder of the run was taken in the Spiridon Lake terminal harvest area (SLTHA). This enhanced run is fully utilized; therefore, there is no escapement.

The SW Afognak Section, NW Kodiak District, and SLTHA sockeye salmon commercial catch numbers were obtained from the ADF&G fish ticket database in December 2001. In lieu of formal stock separation analyses in 1998 through 2001, the 1994-1997 average proportion of harvest occurring in the SLTHA was used to calculate the number of Spiridon Lake sockeye salmon harvested in the SW Afognak Section and NW Kodiak District combined. This catch estimate was combined with the SLTHA sockeye salmon catch to estimate the 2001 Spiridon Lake run. The age composition of the SLTHA commercial catch samples was applied to the total Spiridon Lake run to estimate the run by age class.

Karluk Lake

A natural age marker (age 3.x) was used to estimate the number by age class of Karluk Lake bound sockeye salmon harvested in the westside Kodiak commercial fishery. Early and late-run numbers were estimated separately.

Early Run. The number of Karluk Lake bound sockeye salmon harvested in Uganik, Uyak, and Inner and Outer Karluk Sections (no fishing occurred in the Sturgeon Section during 2001) through 15 July was estimated following the methods described in Barrett and Nelson (1995). The total Karluk Lake early-run estimate was calculated by summing the escapement and assigned catch numbers by age class. Estimates by age class were assigned to the parent year (brood year) escapement and return-per-spawner (R/S) estimates were calculated by dividing total return by its respective parent year escapement.

Late Run. The number of Karluk Lake bound sockeye salmon harvested in Uganik, Uyak, and Inner and Outer Karluk Sections (no fishing occurred in the Sturgeon Section during 2001) post 15 July were estimated following the methods described in Barrett and Nelson (1995). The total Karluk late-run estimate was determined by summing the escapement and assigned catch numbers

by age class. Estimates by age class were assigned to the parent year (brood year) escapement and R/S estimates were calculated by dividing total return by its respective parent year escapement.

Red Lake (Ayakulik River)

The Red Lake sockeye salmon run reconstruction was accomplished by combining the Ayakulik River weir sockeye salmon escapement, 90% of the Inner and Outer Ayakulik Sections sockeye salmon harvest by age class, and 30% of the Halibut Bay Section sockeye salmon harvest by age class for the period from June 21 through August 1. Estimates by age class were assigned to the parent year (brood year) escapement and R/S estimates were calculated.

Frazer Lake (Dog Salmon Creek)

The majority of sockeye salmon bound for Frazer Lake are assumed to be harvested in the Alitak Bay District (ABD). Run timing of the Frazer Lake (Dog Salmon River) system coincides with the early sockeye salmon run to Upper Station. The Frazer Lake catch estimate was based on scale pattern analysis of 80% of the Cape Alitak Section catch through 15 July and 95% of the Moser-Olga Bay Section catch through 15 July (Sagalkin 1999). This catch estimate by age class was added to escapement counted at the Dog Salmon River weir. Total run estimates by age class were assigned to the parent year (brood year) escapement and R/S estimates were calculated.

Olga Lakes (Upper Station)

The Olga Lakes system (Upper Station) is known to have an early and late-run sockeye salmon component (based on run timing) and each component was estimated separately.

Early Run. Upper Station early-run sockeye salmon are generally caught along with the Frazer Lake run in the ABD during June and early July. Run reconstruction of the early-run catch component was based on scale pattern analysis of 80% of the Cape Alitak Section catch through 15 July and 95% of the Moser-Olga Bay Section catch through 15 July (Sagalkin 1999). This catch estimate by age class was added to escapement counts through 15 July from the Upper Station weir. Total run estimates by age class were assigned to the parent year (brood year) escapement and R/S estimates were calculated by dividing total return by its respective parent year escapement.

Late Run. The number of Upper Station bound sockeye salmon harvested in the ABD post 15 July are normally estimated using a natural age marker (age 0.). The proportion of age 0. fish (not including age 0.1 fish) in the escapement in the week following a particular catch week is used to estimate the Upper Station late-run component of the catch. All age 0. fish in the catch are then assigned to Upper Station late-run. The catch of ‘other’ age classes (non 0. fish) are assigned to Upper Station late-run in the same proportion as they occurred in the escapement in the week following the catch. The absence of the unique age 0.x marker in the 2001 Upper Station late forced the run reconstruction to be based upon scale pattern analysis of the unadjusted harvest post 15 July. The total Upper Station late-run estimate was determined by summing escapement counts post 15 July from the Upper Station weir and assigned catch numbers by age class. Estimates by age class were assigned to the parent year (brood year) escapement and R/S estimates were calculated by dividing total return by its respective parent year escapement.

RESULTS

Adult Sockeye Salmon Escapement Abundance, Age, Sex, and Size Data

A total of 1,544,006 sockeye salmon were estimated as escapement through 12 weirs in the KMA during 2001 (Tables 4 and 5).

A total of 12,063 of the escapement scale samples were ageable, representing a combined escapement of 1,255,456 sockeye salmon or about 82% of the total escapement counted through weirs (Table 6). In its entirety, the escapement was predominantly 5 and 6-year-old fish classified as age 2.2 (30%) and 2.3 (41%). While primary age classes varied by system, age 2.3 sockeye salmon were predominant in Frazer Lake and Ayakulik River escapements. Karluk Lake early and late run were comprised mainly of age 2.3 and 2.2 fish. The majority (61%) of Upper Station late-run was classified as age 2.2, while the Upper Station early run was predominantly age 1.3. A substantial component (>50%) of Little River Lake, Portage Creek, and Saltery Lake sockeye salmon escapements were designated as age 1.3 fish. Approximately 45% of the Afognak Lake sockeye salmon escapement was classified as age 2.3 followed by 26% age 1.3 fish. Both Malina and Akalura Lakes had a predominant age class of 1.3 (43%). KMA sockeye salmon escapement length measurements ranged from 247-684 mm and the sex percentages ranged from 62% female and 38% male at Portage Lake (Table 12) to 36% female and 64% male at Akalura Lake (Table 42); however, sample sizes at these sites were relatively small. Individual age, length, and sex composition summaries by escapement area may be found in Tables 7 through 45.

Commercial Salmon Catch Abundance and Age Data

The 2001 commercial salmon harvest in the KMA totaled 23,711,965 fish consisting of 23,827 chinook, 2,659,267 sockeye, 407,978 coho, 19,567,163 pink, and 1,053,730 chum salmon. (Table 46). The 2001 overall salmon harvest was more than the recent five-year average of 16.5 million fish and the sockeye salmon harvest was lower than the recent five-year average of 3.7 million. Most of the commercial sockeye salmon catch occurred within the NW Kodiak (35%) and SW Kodiak (25%) districts (Table 47). The overall average weight of sockeye salmon commercially harvested in the KMA during 2001 was 5.5 lbs.

A total of 32,773 sockeye salmon were sampled and 25,716 salmon scales were classified by age determination from a variety of catch areas throughout the KMA and utilized to represent a combined harvest of approximately 2.2 million fish, or about 83% of the commercial sockeye harvest (Table 48). The overall catch was predominantly age 2.3 (32%), 1.3 (30%), and 2.2 (22%) fish; however, primary age classes varied by section and district. The Foul Bay, Malina Bay, and Waterfall Bay terminal harvest area catches were predominantly age 1.3 fish. Sampled commercial catches from the Central Section (Uganik-Viekoda and Uyak Bays) of the NW Kodiak District were made up of predominantly age 2.3, 1.3, and 2.2 fish, while age 1.2 fish made up the majority of samples (59%) in the Spiridon Bay Section (SLTHA). Age 2.2 and 2.3 fish were predominant in the SW Kodiak district, and age 1.3 and 2.3 fish were predominant in the Alitak Bay District. The dominant age from the Sitkalidak Section of the Eastside Kodiak District were classified as 1.3. Commercial sockeye salmon harvests from the Cape Igvak Section of the Mainland District were

comprised of predominantly age 1.3 (69%), 2.2 (11%), and 2.3 (11%) fish. Individual age composition summaries by catch area may be found in Tables 49 through 73.

Sockeye Salmon Run Reconstruction Estimates

Spiridon Lake

A total of 59,733 sockeye salmon were commercially harvested in the SLTHA during 2001 (Table 74). An average of 41% (ranging from 33 to 45%) of Spiridon Lake bound sockeye salmon were harvested in the SLTHA from 1994-1997 (Nelson 1999). Based on this proportion, an estimated total of 147,295 Spiridon Lake sockeye salmon were harvested in the SW Afognak Section and NW Kodiak District (including the SLTHA) combined. About 59% (86,111 fish) of the total estimated Spiridon Lake run were age 1.2 and 19% (27,948 fish) were classified as age 2.2. The 2001 estimated Spiridon Lake run was below the estimated 5-year (1996-2000) average run of 284,033 sockeye salmon (Figure 8).

Karluk Lake

Early Run. The 2001 estimated Karluk Lake early sockeye salmon run of 642,463 fish was predominantly age 2.2 (40%; Table 75). This run was higher than the 2000 estimated run (557,836), and also higher than the recent 10-year average (1991-2000) estimated run of 492,293 fish (Figure 9). The 1983-1992 Karluk early-run sockeye salmon escapements have produced an estimated average return of 430,174 fish (range: 241,483-682,826) with an average R/S estimate of 1.6 (Table 76).

Late Run. The Karluk Lake late sockeye salmon run was estimated to be 872,527 fish in 2001 (Table 77). Age 2.3 fish were predominant (45%) followed by age 2.2 fish (32%). The estimated 2001 run was well above the 2000 run and was below the recent 10-year average estimated run of 847,674 fish (Figure 10). The 1984-1993 Karluk Lake late-run sockeye salmon escapements have produced an estimated average return of 909,365 fish (range: 332,669-1,838,274) with an average R/S estimate of 2.3 (Table 78).

Red Lake (Ayakulik River)

The 2001 estimated Red Lake sockeye salmon run totaled 586,414 fish, with age 2.3 (41%) and 2.2 (34%) fish accounting for a majority of the run (Table 79). The 2001 estimated Ayakulik run was higher than the 2000 estimated run (444,953) and well below the recent 10-year average (1991-2000) estimated run of 855,549 fish (Figure 11). The 1984-1993 Ayakulik sockeye salmon escapements have produced an estimated average return of 943,556 fish (range: 325,535-1,786,779; Table 80). The average R/S for this time period (1984-1993) was estimated to be 2.7.

Frazer Lake (Dog Salmon Creek)

The Frazer Lake sockeye salmon run estimate of 403,391 was predominantly age 2.3 (62%; Table 81). This run was slightly larger than the 2000 estimated run (394,706), but well below the recent 10-year average (1991-2000) estimated run of 651,622 fish (Figure 12). Frazer Lake sockeye

salmon escapements from 1985-1994 have produced an estimated average return of 707,078 fish (range: 160,412-2,227,031) with an average R/S estimate of 4.6 (Table 82).

Olga Lakes (Upper Station)

Early Run. The 2001 Upper Station early sockeye salmon run estimate was 158,648, with age 1.3 and 2.2 fish combined accounting for 84% of the run (Table 83). This estimated run was larger than the 2000 run and the recent 10-year average (1991-2000) estimated run of 122,970 fish (Figure 13). The 1985-1994 Upper Station early sockeye salmon escapements have produced an estimated average return of 124,408 fish (range: 47,038-294,021; Table 84). The average R/S for this time period (1985-1994) was estimated to be 2.7.

Late Run. The Upper Station late-run sockeye salmon run estimate of 135,015 fish was predominantly age 2.2 (66%; Table 85). The 2001 estimated run was smaller than the 2000 estimated run (313,254) and smaller than the recent 10-year average (1991-2000) estimated run of 532,550 fish (Figure 14). Upper Station late-run salmon escapements from 1985-1994 have produced an estimated average return of 647,694 fish (range: 271,836-1,196,706) with an average R/S estimate of 2.6 (Table 86).

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Table 1. Sampling weeks and corresponding calendar dates, 2001.

Week	Calendar Dates	Week	Calendar Dates
1	1-Jan - 3-Jan	28	5-Jul - 11-Jul
2	4-Jan - 10-Jan	29	12-Jul - 18-Jul
3	11-Jan - 17-Jan	30	19-Jul - 25-Jul
4	18-Jan - 24-Jan	31	26-Jul - 1-Aug
5	25-Jan - 31-Jan	32	2-Aug - 8-Aug
6	1-Feb - 7-Feb	33	9-Aug - 15-Aug
7	8-Feb - 14-Feb	34	16-Aug - 22-Aug
8	15-Feb - 21-Feb	35	23-Aug - 29-Aug
9	22-Feb - 28-Feb	36	30-Aug - 5-Sep
10	1-Mar - 7-Mar	37	6-Sep - 12-Sep
11	8-Mar - 14-Mar	38	13-Sep - 19-Sep
12	15-Mar - 21-Mar	39	20-Sep - 26-Sep
13	22-Mar - 28-Mar	40	27-Sep - 3-Oct
14	29-Mar - 4-Apr	41	4-Oct - 10-Oct
15	5-Apr - 11-Apr	42	11-Oct - 17-Oct
16	12-Apr - 18-Apr	43	18-Oct - 24-Oct
17	19-Apr - 25-Apr	44	25-Oct - 31-Oct
18	26-Apr - 2-May	45	1-Nov - 7-Nov
19	3-May - 9-May	46	8-Nov - 14-Nov
20	10-May - 16-May	47	15-Nov - 21-Nov
21	17-May - 23-May	48	22-Nov - 28-Nov
22	24-May - 30-May	49	29-Nov - 5-Dec
23	31-May - 6-Jun	50	6-Dec - 12-Dec
24	7-Jun - 13-Jun	51	13-Dec - 19-Dec
25	14-Jun - 20-Jun	52	20-Dec - 26-Dec
26	21-Jun - 27-Jun	53	27-Dec - 31-Dec
27	28-Jun - 4-Jul		

Table 2. Sockeye salmon escapement sampling schedule for the Kodiak Management Area, 2001.

District Sample Location	Statistical Area	Sampling Frequency	Date Starting	Date Ending	Sample Size
<i>Afognak District</i>					
Malina Lake	251-10-105	intermittently	1-Jun	15-Aug	600
Foul Bay (FBTHA) ^a	251-41	intermittently	9-Jun	1-Jul	600
Portage Lake	251-82-825	intermittently	1-Jun	30-Jun	run dependent
Waterfall Bay (WBTHA) ^a	251-84	intermittently	9-Jun	1-Jul	600
Pauls Lake	251-83-831	biweekly	6-Jun	3-Jul	200
Little Kitoi fish pass	252-32-323	intermittently	1-Jun	15-Aug	600
Afognak Lake (Litnik) early middle late	252-34-342	once once once	1-Jun 20-Jun 14-Jul	15-Jun 5-Jul 20-Jul	480 480 480
<i>Northwest Kodiak District</i>					
Little River ^b	253-11-115	intermittently	1-Jun	20-Jul	run dependent
Karluk Lake	255-10-101	3 times per week	30-May	30-Sep	240 (total per week) ^c
Spiridon Lake (SLTHA) ^a	254-50-403	weekly	5-Jul	15-Sep	240
<i>Southwest Kodiak District</i>					
Red Lake (Ayakulik)	256-15-201	3 times per week	30-May	30-Sep	240 (total per week) ^c
<i>Alitak Bay District</i>					
Olga Lakes (Upper Station)	257-30-304	3 times per week	6-Jun	30-Sep	240 (total per week) ^c
Akalura	257-31-302	intermittently	1-Aug	31-Aug	run dependent
Frazer Lake fish pass	257-40-403	3 times per week	15-Jun	30-Aug	240 (total per week) ^c
<i>Eastside Kodiak District</i>					
Saltery Lake	259-41-415	intermittently	7-Jul	20-Jul	480

^a Catch sampling at the terminal harvest area (THA) was performed to represent the run.

^b Little River weir was operated by U. S. Fish and Wildlife personnel.

^c Sampling took place 3 times per sampling week on alternating days (e.g., Monday, Wednesday, and Friday).

Table 3. Sockeye salmon catch sampling schedule for the Kodiak Management Area, 2001.

District		Primary			Sample	
Geographic Area	Statistical Areas	Sampling Site ^a	Crew Leader	Frequency	Dates	Size
Afognak District						
NW Afognak Section	251-30 - 251-50	Port of Kodiak	Loewen	weekly	7/6 - 7/25	400
Waterfall Bay	251-84	Waterfall Bay	Swanson	intermittently	6/9 - 7/1	400
Foul Bay	251-41	Foul Bay	Rodgers	intermittently	6/9 - 7/1	400
SW Afognak Section	251-10 - 251-20	Port of Kodiak	Loewen	weekly	6/14 - 8/31	400
Malina Bay	251-20	Malina Bay	Spalinger	intermittently	6/9 - 7/1	400
Kitoi Bay	252-32	Kitoi Bay	Ghormley	intermittently	6/9 - 7/1	400
NW Kodiak District						
Uganik Bay	253-11 - 253-35	Port of Kodiak	Loewen	weekly	6/9 - 9/5	600
Uyak Bay	254-10 - 254-40	Larsen Bay	Loewen	weekly	6/9 - 9/5	600
Telrod Cove/Spiridon	254-50	Telrod Cove	Watchers	weekly	7/19 - 9/12	240
SW Kodiak District						
Inner/Outer Karluk Section	255-10 - 255-20	Larsen Bay	Loewen	weekly	6/9 - 8/1	400
Sturgeon Section	256-40	Port of Kodiak	Loewen	weekly	6/9 - 8/1	400
Halibut/Gurney Bay	256-25 - 256-30	Port of Kodiak	Loewen	weekly	6/23 - 8/1	400
Inner/Outer Ayakulik Section	256-10 - 256-20	Port of Kodiak	Loewen	weekly	6/9 - 8/1	400
Alitak Bay District						
Cape Alitak/Humpy Deadman	257-10,20 257-50-70	Alitak (Lazy Bay)	Costello	weekly	6/9 - 8/31	600
Moser/Olga Bay Section	257-40 - 257-41	Port of Kodiak	Loewen	weekly	6/9 - 8/31	600
Eastside Kodiak District						
Sitkalidak Section	258-10 - 258-53	Port of Kodiak	Loewen	weekly	7/6 - 7/25	400
Mainland District						
North Shelikof	262-10 - 262-55	Port of Kodiak	Loewen	weekly	7/6 - 7/25	400
Katmai/Alinchak	262-60 - 262-70	Port of Kodiak	Loewen	weekly	7/6 - 7/25	400
Cape Igvak Section (early)	262-75 - 262-95	Port of Kodiak	Loewen	weekly	6/9 - 7/8	400
Cape Igvak Section (late)	262-75 - 262-95	Port of Kodiak	Loewen	weekly	7/9 - 7/25	400

^a Alitak is the secondary sampling site for SW Kodiak, Eastside Kodiak, and Cape Igvak District samples.

Table 4. Daily and cumulative sockeye salmon escapement counted through weirs by system (four major systems), Kodiak Management Area, 2001.

Date	System (weir)									
	Karluk Lake ^a		Red Lake (Ayakulik) ^b		Olga Lakes (Upper Station) ^c		Dog Salmon Creek ^d		Frazer Lake ^e	
	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.
05/21/00			1	1						
05/22/00			121	122						
05/23/00			389	511						
05/24/00			287	798						
05/25/00	0	0	702	1,500	876	876				
05/26/00	1	1	570	2,070	739	1,615				
05/27/00	3	4	336	2,406	338	1,953				
05/28/00	319	323	3,432	5,838	2,678	4,631	2,500	2,500	0	0
05/29/00	3,588	3,911	9,754	15,592	1,572	6,203	1,537	4,037	0	0
05/30/00	3,275	7,186	9,881	25,473	1,618	7,821	9,564	13,601	0	0
05/31/00	7,135	14,321	1,129	26,602	4,322	12,143	898	14,499	8	8
06/01/00	247	14,568	5,262	31,864	2,589	14,732	914	15,413	13	21
06/02/00	16,157	30,725	4,978	36,842	4,916	19,648	10,649	26,062	0	21
06/03/00	11,790	42,515	20,525	57,367	4,126	23,774	3,101	29,163	2	23
06/04/00	1,487	44,002	3,363	60,730	3,134	26,908	11,059	40,222	1	24
06/05/00	1,693	45,695	10,437	71,167	2,494	29,402	3,872	44,094	13	37
06/06/00	20,625	66,320	23,743	94,910	3,262	32,664	3,812	47,906	16	53
06/07/00	12,659	78,979	14,407	109,317	5,623	38,287	15,605	63,511	48	101
06/08/00	19,538	98,517	11,475	120,792	4,936	43,223	7,730	71,241	204	305
06/09/00	47,775	146,292	7,326	128,118	2,713	45,936	9,017	80,258	64	369
06/10/00	39,512	185,804	2,999	131,117	2,786	48,722	8,104	88,362	58	427
06/11/00	37,082	222,886	2,701	133,818	2,088	50,810	2,970	91,332	807	1,234
06/12/00	27,455	250,341	2,351	136,169	2,529	53,339	4,249	95,581	1,395	2,629
06/13/00	25,966	276,307	1,196	137,365	3,625	56,964	14,817	110,398	2,850	5,479
06/14/00	16,853	293,160	1,039	138,404	2,550	59,514	10,493	120,891	19,547	25,026
06/15/00	10,959	304,119	712	139,116	2,293	61,807	5,718	126,609	20,359	45,385
06/16/00	9,663	313,782	979	140,095	968	62,775	133	126,742	16,743	62,128
06/17/00	2,580	316,362	1,046	141,141	702	63,477	394	127,136	1,644	63,772

-Continued-

Table 4. (page 2 of 5)

Date	System (weir)									
	Karluk Lake ^a		Red Lake (Ayakulik) ^b		Olga Lakes (Upper Station) ^c		Dog Salmon Creek ^d		Frazer Lake ^e	
Date	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.
06/18/00	2,380	318,742	403	141,544	326	63,803	202	127,338	1,919	65,691
06/19/00	1,998	320,740	1,238	142,782	311	64,114	297	127,635	7,017	72,708
06/20/00	1,637	322,377	528	143,310	81	64,195	251	127,886	30,532	103,240
06/21/00	4,357	326,734	323	143,633	62	64,257	116	128,002	16,469	119,709
06/22/00	2,157	328,891	1,723	145,356	39	64,296	101	128,103	3,831	123,540
06/23/00	812	329,703	482	145,838	180	64,476	1,432	129,535	1,293	124,833
06/24/00	580	330,283	842	146,680	204	64,680	2,362	131,897	806	125,639
06/25/00	672	330,955	219	146,899	149	64,829	2,375	134,272	938	126,577
06/26/00	89	331,044	154	147,053	341	65,170	222	134,494	3,754	130,331
06/27/00	382	331,426	586	147,639	255	65,425	2,157	136,651	1,077	131,408
06/28/00	106	331,532	933	148,572	205	65,630	166	136,817	838	132,246
06/29/00	131	331,663	2,330	150,902	197	65,827	291	137,108	1,142	133,388
06/30/00	387	332,050	169	151,071	173	66,000	61	137,169	278	133,666
07/01/00	136	332,186	3,184	154,255	107	66,107	1,287	138,456	41	133,707
07/02/00	151	332,337	2,745	157,000	34	66,141	306	138,762	771	134,478
07/03/00	375	332,712	1,494	158,494	39	66,180	129	138,891	146	134,624
07/04/00	89	332,801	2,463	160,957	38	66,218	1,976	140,867	52	134,676
07/05/00	302	333,103	0	160,957	108	66,326	4,771	145,638	4,024	138,700
07/06/00	139	333,242	2,858	163,815	84	66,410	1,761	147,399	6	138,706
07/07/00	253	333,495	1,146	164,961	72	66,482	681	148,080	499	139,205
07/08/00	125	333,620	95	165,056	28	66,510	529	148,609	2,341	141,546
07/09/00	108	333,728	1,121	166,177	33	66,543	346	148,955	897	142,443
07/10/00	224	333,952	5,157	171,334	19	66,562	128	149,083	1,521	143,964
07/11/00	227	334,179	224	171,558	16	66,578	566	149,649	331	144,295
07/12/00	462	334,641	647	172,205	0	66,578	529	150,178	166	144,461
07/13/00	488	335,129	4,705	176,910	3	66,581	212	150,390	515	144,976
07/14/00	1,127	336,256	452	177,362	62	66,643	2,130	152,520	352	145,328
07/15/00	842	337,098	460	177,822	151	66,794	1,159	153,679	378	145,706
07/16/00	128	337,226	3,166	180,988	42	66,836	1,785	155,464	195	145,901

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Table 4. (page 3 of 5)

Date	System (weir)									
	Karluk Lake ^a		Red Lake (Ayakulik) ^b		Olga Lakes (Upper Station) ^c		Dog Salmon Creek ^d		Frazer Lake ^e	
Date	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.
07/17/00	15	337,241	1,271	182,259	77	66,913	790	156,254	1,178	147,079
07/18/00	111	337,352	455	182,714	54	66,967	82	156,336	156	147,235
07/19/00	700	338,052	967	183,681	19	66,986	0	156,336	201	147,436
07/20/00	496	338,548	0	183,681	18	67,004	195	156,531	1,752	149,188
07/21/00	249	338,797	45	183,726	0	67,004	261	156,792	340	149,528
07/22/00	120	338,917	88	183,814	0	67,004	357	157,149	138	149,666
07/23/00	255	339,172	93	183,907	104	67,108	390	157,539	97	149,763
07/24/00	220	339,392	563	184,470	195	67,303	452	157,991	50	149,813
07/25/00	74	339,466	11,127	195,597	301	67,604	347	158,338	232	150,045
07/26/00	67	339,533	8,118	203,715	70	67,674	142	158,480	188	150,233
07/27/00	174	339,707	2,619	206,334	131	67,805	411	158,891	568	150,801
07/28/00	110	339,817	406	206,740	383	68,188	384	159,275	81	150,882
07/29/00	297	340,114	168	206,908	846	69,034	822	160,097	127	151,009
07/30/00	873	340,987	2,932	209,840	1,882	70,916	574	160,671	332	151,341
07/31/00	2,477	343,464	264	210,104	1,322	72,238	674	161,345	382	151,723
08/01/00	20,096	363,560	228	210,332	218	72,456	73	161,418	597	152,320
08/02/00	14,080	377,640	164	210,496	165	72,621	82	161,500	448	152,768
08/03/00	12,249	389,889	195	210,691	161	72,782	64	161,564	206	152,974
08/04/00	752	390,641	1,844	212,535	541	73,323	68	161,632	17	152,991
08/05/00	21,961	412,602	478	213,013	890	74,213	97	161,729	191	153,182
08/06/00	7,737	420,339	411	213,424	2,267	76,480	138	161,867	109	153,291
08/07/00	3,192	423,531	415	213,839	1,247	77,727	141	162,008	204	153,495
08/08/00	4,401	427,932	1,191	215,030	2,703	80,430	46	162,054	269	153,764
08/09/00	8,658	436,590	145	215,175	3,897	84,327	161	162,215	177	153,941
08/10/00	2,752	439,342	141	215,316	3,941	88,268	90	162,305	122	154,063
08/11/00	4,401	443,743	129	215,445	3,997	92,265	25	162,330	89	154,152
08/12/00	2,417	446,160	148	215,593	543	92,808	81	162,411	71	154,223
08/13/00	8,467	454,627	982	216,575	221	93,029	51	162,462	54	154,277
08/14/00	19,284	473,911	345	216,920	680	93,709	39	162,501	72	154,349
08/15/00	8,291	482,202	189	217,109	4,336	98,045	26	162,527		

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Table 4. (page 4 of 5)

Date	System (weir)									
	Karluk Lake ^a		Red Lake (Ayakulik) ^b		Olga Lakes (Upper Station) ^c		Dog Salmon Creek ^d		Frazer Lake ^e	
	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.
08/16/00	11,013	493,215	186	217,295	3,003	101,048	155	162,682		
08/17/00	39,927	533,142	655	217,950	4,195	105,243	121	162,803		
08/18/00	15,982	549,124	235	218,185	2,402	107,645	41	162,844		
08/19/00	885	550,009	45	218,230	3,057	110,702	35	162,879		
08/20/00	34,302	584,311	21	218,251	3,014	113,716	71	162,950		
08/21/00	5,546	589,857	8	218,259	1,521	115,237	11	162,961		
08/22/00	19,604	609,461	49	218,308	2,878	118,115	31	162,992		
08/23/00	653	610,114	25	218,333	1,893	120,008	10	163,002		
08/24/00	635	610,749	45	218,378	1,691	121,699	7	163,009		
08/25/00	891	611,640	116	218,494	1,762	123,461	300	163,309		
08/26/00	1,429	613,069	155	218,649	1,664	125,125				
08/27/00	1,133	614,202	84	218,733	1,453	126,578				
08/28/00	13,531	627,733	136	218,869	1,732	128,310				
08/29/00	22,199	649,932	23	218,892	1,563	129,873				
08/30/00	22,708	672,640			836	130,709				
08/31/00	50,008	722,648			1,579	132,288				
09/01/00	19,826	742,474			1,806	134,094				
09/02/00	21,802	764,276			2,105	136,199				
09/03/00	1,069	765,345			880	137,079				
09/04/00	565	765,910			1,019	138,098				
09/05/00	671	766,581			282	138,380				
09/06/00	652	767,233			677	139,057				
09/07/00	7,010	774,243			964	140,021				
09/08/00	8,040	782,283			159	140,180				
09/09/00	3,201	785,484			233	140,413				
09/10/00	710	786,194			228	140,641				
09/11/00	2,287	788,481			260	140,901				
09/12/00	1,595	790,076			300	141,201				
09/13/00	2,537	792,613								

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Table 4. (page 5 of 5)

Date	System (weir)									
	Karluk Lake ^a		Red Lake (Ayakulik) ^b		Olga Lakes (Upper Station) ^c		Dog Salmon Creek ^d		Frazer Lake ^e	
	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.
09/14/00	3,811	796,424								
09/15/00	384	796,808								
09/16/00	336	797,144								
09/17/00	46,792	843,936								
09/18/00	5,600	849,536								
09/19/00	14,000	863,536								
09/20/00										
09/21/00										
09/22/00										
09/23/00										
09/24/00										
09/25/00										
09/26/00										
09/27/00										
Totals	863,536		218,892		141,201		163,309		154,349	

^a Karluk Lake weir was installed on 5/24 and removed on 9/18 (post-weir estimates included in counts).

^b Ayakulik weir was installed on 5/20 and removed on 8/29.

^c Upper Station weir was installed on 5/25 and removed on 9/12 (post-weir estimates included in counts).

^d Dog Salmon weir was installed on 5/28 and removed on 8/25 (pre and post-weir estimates included in counts).

^e Frazer Lake fish pass weir was installed on 5/31 and removed on 8/14. Fish are initially counted through Dog Salmon weir.

Table 5. Daily and cumulative sockeye salmon escapement counted through weirs by system (eight minor systems), Kodiak Management Area, 2001.

Date	System (weir)																	
	Malina ^a		Portage ^b		Pauls ^c		Litnik ^d		Buskin ^e		Saltery ^f		Akalura ^g		Little River ^g			
	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.		
05/21/00																		
05/22/00	75	75																
05/23/00	177	252																
05/24/00	279	531																
05/25/00	312	843																
05/26/00	116	959																
05/27/00	336	1,295																
05/28/00	290	1,585																
05/29/00	93	1,678																
05/30/00	796	2,474																
05/31/00	830	3,304																
06/01/00	609	3,913																
06/02/00	1,155	5,068													24	24		
06/03/00	734	5,802													50	74		
06/04/00	1,169	6,971													36	110		
06/05/00	1,343	8,314													79	189		
06/06/00	588	8,902	600	600	11	168	194	6,619	616	5,440					137	326		
06/07/00	1,210	10,112	0	600	0	168	1,145	7,764	500	5,940					0	0	131	457
06/08/00	1,227	11,339	0	600	470	638	640	8,404	1,368	7,308					0	0	97	554
06/09/00	1,316	12,655	0	600	1	639	212	8,616	519	7,827					41	41	100	654
06/10/00	623	13,278	72	672	294	933	1,266	9,882	2,238	10,065					24	65	122	776
06/11/00	658	13,936	25	697	278	1,211	844	10,726	1,108	11,173					2	67	70	846
06/12/00	389	14,325	2	699	81	1,292	1,212	11,938	642	11,815					11	78	218	1,064
06/13/00	679	15,004	436	1,135	2,246	3,538	673	12,611	1,208	13,023					9	87	462	1,526
06/14/00	421	15,425	0	1,135	205	3,743	1,602	14,213	1,014	14,037					24	111	299	1,825
06/15/00	439	15,864	81	1,216	69	3,812	122	14,335	279	14,316					0	111	203	2,028
06/16/00	104	15,968	110	1,326	328	4,140	2	14,337	692	15,008					6	117	191	2,219
06/17/00	356	16,324	145	1,471	0	4,140	641	14,978	475	15,483					3	120	72	2,291
06/18/00	163	16,487	180	1,651	58	4,198	708	15,686	146	15,629					0	120	131	2,422

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Table 5. (page 2 of 5)

Date	System (weir)															
	Malina ^a		Portage ^b		Pauls ^c		Litnik ^d		Buskin ^e		Saltery ^f		Akalura ^g		Little River ^g	
Date	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.
06/19/00	26	16,513	75	1,726	0	4,198	435	16,121	317	15,946	-	-	4	124	85	2,507
06/20/00	216	16,729	28	1,754	0	4,198	196	16,317	556	16,502	-	-	0	124	94	2,601
06/21/00	354	17,083	30	1,784	18	4,216	395	16,712	106	16,608	-	-	0	124	140	2,741
06/22/00	285	17,368	1	1,785	1,633	5,849	316	17,028	113	16,721	-	-	0	124	76	2,817
06/23/00	25	17,393	226	2,011	170	6,019	10	17,038	625	17,346	-	-	1	125	87	2,904
06/24/00	279	17,672	212	2,223	136	6,155	116	17,154	648	17,994	177	177	0	125	66	2,970
06/25/00	70	17,742	20	2,243	878	7,033	203	17,357	84	18,078	225	402	0	125	61	3,031
06/26/00	482	18,224	25	2,268	186	7,219	89	17,446	524	18,602	440	842	15	140	174	3,205
06/27/00	275	18,499	49	2,317	50	7,269	70	17,516	295	18,897	577	1,419	36	176	48	3,253
06/28/00	224	18,723	0	2,317	115	7,384	91	17,607	17	18,914	429	1,848	3	179	44	3,297
06/29/00	48	18,771	830	3,147	218	7,602	457	18,064	62	18,976	836	2,684	6	185	96	3,393
06/30/00	546	19,317	-	-	337	7,939	480	18,544	19	18,995	400	3,084	0	185	57	3,450
07/01/00	81	19,398	-	-	123	8,062	304	18,848	20	19,015	1,577	4,661	0	185	38	3,488
07/02/00	155	19,553	-	-	0	8,062	207	19,055	50	19,065	1,016	5,677	0	185	130	3,618
07/03/00	141	19,694	-	-	211	8,273	64	19,119	405	19,470	1,612	7,289	0	185	19	3,637
07/04/00	14	19,708	-	-	322	8,595	76	19,195	64	19,534	510	7,799	2	187	22	3,659
07/05/00	146	19,854	-	-	574	9,169	68	19,263	331	19,865	2,068	9,867	0	187	31	3,690
07/06/00	215	20,069	-	-	971	10,140	5	19,268	20	19,885	638	10,505	2	189	21	3,711
07/07/00	73	20,142	-	-	644	10,784	29	19,297	6	19,891	1,983	12,488	0	189	12	3,723
07/08/00	71	20,213	-	-	416	11,200	13	19,310	37	19,928	540	13,028	1	190	35	3,758
07/09/00	60	20,273	-	-	9	11,209	13	19,323	49	19,977	2,303	15,331	3	193	41	3,799
07/10/00	37	20,310	-	-	235	11,444	9	19,332	1	19,978	1,218	16,549	0	193	25	3,824
07/11/00	78	20,388	-	-	0	11,444	103	19,435	16	19,994	1,654	18,203	0	193	10	3,834
07/12/00	115	20,503	-	-	0	11,444	10	19,445	39	20,033	574	18,777	0	193	9	3,843
07/13/00	29	20,532	-	-	0	11,444	276	19,721	39	20,072	1,128	19,905	0	193	3	3,846
07/14/00	249	20,781	-	-	602	12,046	150	19,871	32	20,104	419	20,324	0	193	18	3,864
07/15/00	94	20,875	-	-	671	12,717	318	20,189	15	20,119	2,065	22,389	5	198	17	3,881
07/16/00	83	20,958	-	-	990	13,707	261	20,450	60	20,179	1,999	24,388	0	198	38	3,919
07/17/00	86	21,044	-	-	571	14,278	53	20,503	6	20,185	1,543	25,931	0	198	13	3,932

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Table 5. (page 3 of 5)

Date	System (weir)															
	Malina ^a		Portage ^b		Pauls ^c		Litnik ^d		Buskin ^e		Saltery ^f		Akalura ^g		Little River ^g	
Date	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.
07/18/00	14	21,058			246	14,524	23	20,526	13	20,198	1,005	26,936	0	198	0	3,932
07/19/00	96	21,154			1,595	16,119	0	20,526	267	20,465	3,425	30,361	45	243	4	3,936
07/20/00	269	21,423			2,266	18,385	0	20,526	7	20,472	855	31,216	0	243	17	3,953
07/21/00	45	21,468			349	18,734	5	20,531	19	20,491	214	31,430	0	243	14	3,967
07/22/00	92	21,560			1,051	19,785	21	20,552	2	20,493	941	32,371	0	243	3	3,970
07/23/00	233	21,793			729	20,514	52	20,604	28	20,521	848	33,219	0	243	7	3,977
07/24/00	102	21,895			331	20,845	4	20,608	2	20,523	937	34,156	0	243	12	3,989
07/25/00	23	21,918			58	20,903	24	20,632	21	20,544	1,351	35,507	0	243	5	3,994
07/26/00	68	21,986			13	20,916	39	20,671		20,544	501	36,008	0	243		
07/27/00	72	22,058			7	20,923	74	20,745		20,544	288	36,296	0	243		
07/28/00	23	22,081			0	20,923	50	20,795		20,544	1,276	37,572	0	243		
07/29/00	26	22,107			0	20,923	15	20,810		20,544	816	38,388	0	243		
07/30/00	147	22,254			448	21,371	7	20,817		20,544	902	39,290	0	243		
07/31/00	28	22,282			3	21,374	112	20,929		20,544	411	39,701	0	243		
08/01/00	8	22,290			1	21,375	34	20,963		20,544	601	40,302	0	243		
08/02/00	200	22,490			3	21,378	9	20,972		20,544	980	41,282	0	243		
08/03/00					0	21,378	85	21,057		20,544	1,105	42,387	1	244		
08/04/00					1,346	22,724	219	21,276		20,544	101	42,488	2	246		
08/05/00					203	22,927	778	22,054		20,544	386	42,874	2,214	2,460		
08/06/00					1	22,928	98	22,152		20,544	674	43,548	49	2,509		
08/07/00					20	22,948	40	22,192		20,544	459	44,007	4	2,513		
08/08/00					3	22,951	14	22,206		20,544	162	44,169	6	2,519		
08/09/00					22	22,973	18	22,224		20,544	241	44,410	392	2,911		
08/10/00					46	23,019	15	22,239		20,544	606	45,016	607	3,518		
08/11/00					5	23,024	1	22,240		20,544	156	45,172	2	3,520		
08/12/00					38	23,062	10	22,250		20,544	78	45,250	1,243	4,763		
08/13/00					7	23,069	12	22,262		20,544	21	45,271	266	5,029		
08/14/00					29	23,098	27	22,289		20,544	52	45,323	2	5,031		
08/15/00					5	23,103	11	22,300		20,544	23	45,346	3	5,034		

-Continued-

Table 5. (page 4 of 5)

Date	System (weir)															
	Malina ^a		Portage ^b		Pauls ^c		Litnik ^d		Buskin ^e		Saltery ^f		Akalura ^g		Little River ^g	
Date	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.
08/16/00					7	23,110	86	22,386		20,544	28	45,374	1,180	6,214		
08/17/00					73	23,183	1,235	23,621	2	20,546	26	45,400	4,271	10,485		
08/18/00					0	23,183	192	23,813	0	20,546	14	45,414	27	10,512		
08/19/00					0	23,183	103	23,916	1	20,547	6	45,420	0	10,512		
08/20/00					19	23,202	315	24,231	0	20,547	77	45,497	544	11,056		
08/21/00					2	23,204	9	24,240	0	20,547	35	45,532	1	11,057		
08/22/00					4	23,208	9	24,249	2	20,549	5	45,537	0	11,057		
08/23/00					11	23,219	0	24,249	1	20,550	3	45,540	51	11,108		
08/24/00					3	23,222	2	24,251	0	20,550	4	45,544	3	11,111		
08/25/00					3	23,225	4	24,255	0	20,550	18	45,562	13	11,124		
08/26/00					1	23,226	1	24,256	1	20,551	2	45,564	107	11,231		
08/27/00					0	23,226	12	24,268	1	20,552	13	45,577	227	11,458		
08/28/00					4	23,230	3	24,271	0	20,552	20	45,597	35	11,493		
08/29/00					0	23,230	0	24,271	0	20,552	11	45,608	105	11,598		
08/30/00					0	23,230	0	24,271	0	20,552			533	12,131		
08/31/00					0	23,230	0	24,271	1	20,553			37	12,168		
09/01/00					0	23,230	0	24,271	0	20,553			14	12,182		
09/02/00					0	23,230	0	24,271	1	20,554			69	12,251		
09/03/00					0	23,230	0	24,271	0	20,554			246	12,497		
09/04/00					0	23,230	0	24,271	0	20,554			207	12,704		
09/05/00					0	23,230	0	24,271	1	20,555			234	12,938		
09/06/00							0	24,271	0	20,555			6	12,944		
09/07/00									0	20,555			25	12,969		
09/08/00									0	20,555			33	13,002		
09/09/00									0	20,555			0	13,002		
09/10/00									1	20,556			770	13,772		
09/11/00									0	20,556						
09/12/00									0	20,556						
09/13/00									0	20,556						
Totals	22,490		3,147		23,230		24,271		20,556	45,608		13,772		3,994		

^a Malina Creek weir was installed on 5/23 and removed on 8/1 (pre and post-weir estimates included in counts).

-Continued-

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^b Portage Creek weir was installed on 6/7 and removed on 6/29 (pre and post-weir estimates included in counts).

^c Pauls Lake weir was installed on 5/30 and removed on 9/5.

^d Litnik weir was installed on 5/26 and removed on 9/6.

^e Buskin Lake weir is installed and removed twice a season (5/25-7/25 and 8/17-9/29).

^f Saltery Lake weir was installed on 6/24 and removed on 8/29.

^g Akalura Lake weir was installed on 6/7 and removed on 9/9 (post-weir estimates included in counts).

^h Little River Lake weir (operated by Kodiak Wildlife Refuge) was installed on 6/2 and removed on 7/25

Table 6. Estimated age composition of sockeye salmon escapements by system, Kodiak Management Area, 2001.

District	System	Sample Size	Ages																		Total	
			0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	4.1	2.4	3.3	3.4	4.2		
<i>Afognak District</i>																						
Malina Lake		681	%	0.0	0.0	13.6	0.0	15.0	8.0	0.0	42.7	3.3	0.2	0.0	16.7	0.2	0.0	0.0	0.3	0.0	0.0	100.0
		#	0	0	3,061	0	3,376	1,796	0	9,595	751	44	0	3,767	36	0	0	67	0	0	22,490	
Portage Creek		986	%	0.0	0.0	0.3	0.0	1.7	0.2	0.0	85.5	0.1	0.0	0.7	11.4	0.0	0.0	0.2	0.0	0.0	0.0	100.0
		#	0	0	8	0	52	7	0	2,690	2	0	22	359	0	0	7	0	0	0	3,147	
Pauls Lake ^a		441	%	0.0	0.0	5.1	0.0	24.9	2.8	0.0	26.6	3.9	0.0	0.0	36.6	0.0	0.0	0.1	0.0	0.0	0.0	100.0
		#	0	0	1,180	0	5,780	653	0	6,183	907	0	0	8,506	0	0	22	0	0	22,230		
Afognak Lake (Litnik) ^a		790	%	0.0	0.0	0.7	0.0	11.4	4.0	0.0	26.2	3.2	9.0	0.0	44.6	0.0	0.3	0.0	0.7	0.0	0.0	100.0
		#	0	0	137	0	2,383	833	0	5,473	676	1,877	0	9,328	0	63	0	156	0	0	20,929	
<i>Northwest Kodiak District</i>																						
Karluk Lake early run		1,259	%	0.0	0.0	0.1	0.3	0.6	2.8	0.0	0.3	40.9	0.6	0.0	37.0	12.4	0.0	0.1	4.6	0.1	0.3	100.0
		#	0	0	474	902	1,929	9,499	0	1,088	138,562	1,867	0	125,457	42,016	0	288	15,485	288	944	338,797	
Karluk Lake late run		1,258	%	0.0	0.0	0.0	0.0	0.2	4.1	0.0	0.1	30.6	0.5	0.0	46.0	12.9	0.0	0.1	5.5	0.0	0.1	100.0
		#	0	0	133	0	835	21,418	0	266	160,426	2,765	0	241,349	67,663	0	354	28,959	0	573	524,739	
Little River Lake		183	%	0.0	0.0	1.2	0.0	0.6	0.0	0.0	84.3	10.9	1.3	0.0	1.7	0.1	0.0	0.0	0.0	0.0	0.0	100.0
		#	0	0	46	0	25	0	0	3,365	434	51	0	67	2	0	0	0	0	0	3,994	
<i>Southwest Kodiak District</i>																						
Red Lake (Ayakulik) ^a		2,265	%	0.0	0.0	4.9	1.2	3.2	0.0	0.0	4.7	36.6	0.0	0.0	46.4	2.6	0.0	0.0	0.4	0.0	0.0	100.0
		#	0	0	292	69	191	0	2	277	2,178	0	0	2,757	157	0	0	22	0	0	5,945	
<i>Alitak Bay District</i>																						
Olga Lakes (Upper Station) early run		1,517	%	0.0	0.0	0.0	0.0	0.3	3.4	0.0	47.6	34.8	0.0	0.0	13.5	0.4	0.0	0.0	0.0	0.0	0.0	100.0
		#	0	0	5	0	187	2,270	0	31,810	23,221	4	1	9,048	249	0	0	0	0	0	66,794	
Olga Lakes (Upper Station) late run		873	%	0.0	0.0	0.2	0.5	2.0	16.5	0.0	9.8	61.2	0.2	0.1	9.5	0.1	0.0	0.0	0.0	0.0	0.0	100.0
		#	0	0	77	250	1,010	8,469	0	5,026	31,403	121	27	4,889	50	0	0	0	0	0	51,321	
Frazer Lake		1,487	%	0.0	0.0	0.3	0.0	0.8	0.9	0.0	18.7	7.4	0.0	0.0	65.1	2.5	0.0	0.0	4.1	0.0	0.0	100.0
		#	0	0	457	0	1,213	1,443	0	28,924	11,437	36	0	100,545	3,914	10	13	6,353	0	0	154,349	
Akalura Lake		105	%	0.0	0.0	0.0	0.0	6.8	0.0	0.0	42.8	6.8	0.0	0.0	40.1	0.0	0.0	2.7	0.7	0.0	0.0	100.0
		#	0	0	0	0	149	0	0	931	147	0	0	873	0	0	60	15	0	0	2,174	

-Continued-

Table 6. (page 2 of 2)

District System	Sample Size	Ages																		Total	
		0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	4.1	2.4	3.3	3.4	4.2		
<i>Eastside Kodiak District</i>																					
Saltery Lake ^a	218	%	0.0	0.0	0.7	1.2	2.9	0.0	0.0	54.5	18.7	0.0	0.0	20.0	0.0	0.0	1.1	0.9	0.0	0.0	100.0
	#		0	0	252	456	1,088	0	0	20,467	7,035	0	0	7,492	0	0	429	328	0	0	37,547
Totals	12,063	%	0.0	0.0	0.5	0.1	1.5	3.7	0.0	9.2	30.0	0.5	0.0	41.0	9.1	0.0	0.1	4.1	0.0	0.1	100.0
	#		0	0	6,122	1,677	18,218	46,388	2	116,095	377,179	6,765	50	514,437	114,087	73	1,151	51,407	288	1,517	1,255,456

^a Age composition estimates do not necessarily represent the entire escapement.

Table 7. Estimated age composition of Malina Lakes sockeye salmon escapement by week, 2001.

Week	Sample Size	Ages										Total
		1.1	1.2	2.1	1.3	2.2	3.1	2.3	3.2	3.3		
21 5/17-5/23	0	Percent	0.0	4.8	0.0	79.0	3.2	0.0	12.9	0.0	0.0	100.0
		Numbers	0	12	0	199	8	0	33	0	0	252
22 5/24-5/30	62	Percent	0.2	6.1	0.0	76.9	3.0	0.0	13.8	0.0	0.0	100.0
		Numbers	5	135	0	1,709	66	0	307	0	0	2,222
23 5/31-6/06	99	Percent	1.7	14.5	0.1	62.1	1.7	0.0	19.9	0.0	0.0	100.0
		Numbers	108	932	5	3,991	108	0	1,281	0	3	6,428
24 6/07-6/13	158	Percent	4.2	20.9	1.7	45.1	4.0	0.0	23.5	0.0	0.5	100.0
		Numbers	257	1,277	103	2,754	246	0	1,432	3	31	6,102
25 6/14-6/20	168	Percent	21.3	21.5	8.9	25.3	3.1	0.0	18.9	0.4	0.6	100.0
		Numbers	368	371	153	436	54	0	326	8	10	1,725
26 6/21-6/27	30	Percent	38.0	13.6	22.0	11.9	5.4	0.2	8.7	0.1	0.3	100.0
		Numbers	672	241	389	210	95	3	153	2	5	1,770
27 6/28-7/04	62	Percent	46.0	3.7	32.4	6.9	2.9	1.4	5.3	0.2	1.2	100.0
		Numbers	556	45	391	84	36	17	64	2	15	1,209
28 7/05-7/11	30	Percent	35.1	18.9	22.1	4.3	7.6	2.7	6.5	2.3	0.4	100.0
		Numbers	238	129	150	29	52	19	44	16	3	680
29 7/12-7/18	29	Percent	33.6	14.3	24.9	6.3	7.6	0.8	11.8	0.8	0.0	100.0
		Numbers	225	96	167	42	51	5	79	5	0	670
30 7/19-7/25	33	Percent	40.8	9.4	25.5	15.1	3.8	0.0	5.4	0.0	0.0	100.0
		Numbers	351	81	219	130	33	0	46	0	0	860
31 7/26-8/01	10	Percent	48.7	9.8	37.4	3.0	0.5	0.0	0.5	0.0	0.0	100.0
		Numbers	181	37	139	11	2	0	2	0	0	372
32 8/02-8/08	0	Percent	50.0	10.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
		Numbers	100	20	80	0	0	0	0	0	0	200
Total	681	Percent	13.6	15.0	8.0	42.7	3.3	0.2	16.7	0.2	0.3	100.0
		Numbers	3,061	3,376	1,796	9,595	751	44	3,767	36	67	22,490

Table 8. Length composition of Malina Lakes sockeye salmon escapement samples by age and sex, 2001.

	Ages									
	1.1	1.2	1.3	2.1	2.2	2.3	3.1	3.2	3.3	Total
Females										
Mean Length	0	461	537	0	471	532	0	498	523	518
SE	-	4	2	-	8	2	-	-	16	2
Range	0-0	412-550	470-605	0-0	435-515	495-574	0-0	498-498	508-539	412-605
Sample Size	0	54	138	0	9	61	0	1	2	265
Males										
Mean Length	323	465	551	327	447	551	359	430	555	426
SE	2	6	3	3	12	4	41	-	-	5
Range	247-381	347-560	455-610	289-414	326-525	496-600	319-400	430-430	555-555	247-610
Sample Size	127	56	92	72	15	50	2	1	1	416
All Fish										
Mean Length	323	463	542	327	456	541	359	464	534	462
SE	2	3	2	3	9	2	41	34	14	4
Range	247-381	347-560	455-610	289-414	326-525	495-600	319-400	430-498	508-555	247-610
Sample Size	127	110	230	72	24	111	2	2	3	681

Table 9. Estimated sex composition of Malina Lakes sockeye salmon escapement by week, 2001.

Week	Dates	Sample			Escapement			Number		
		Females	Males	Total	Percent		Females	Males	Total	
					Females	Males				
21	5/17-5/23	0	0	0	53.6	46.4	135	117	252	
22	5/24-5/30	43	37	80	53.4	46.6	1,187	1,035	2,222	
23	5/31-6/06	61	59	120	51.7	48.3	3,323	3,105	6,428	
24	6/07-6/13	112	88	200	53.2	46.8	3,244	2,858	6,102	
25	6/14-6/20	70	136	206	38.0	62.0	656	1,069	1,725	
26	6/21-6/27	13	26	39	31.2	68.8	553	1,217	1,770	
27	6/28-7/04	8	66	74	15.4	84.6	186	1,023	1,209	
28	7/05-7/11	8	32	40	17.8	82.2	121	559	680	
29	7/12-7/18	9	27	36	23.7	76.3	159	511	670	
30	7/19-7/25	8	32	40	20.8	79.2	179	681	860	
31	7/26-8/01	1	14	15	8.9	91.1	33	339	372	
32	8/02-8/08	0	0	0	6.5	93.5	13	187	200	
Total		333	517	850	43.5	56.5	9,789	12,701	22,490	

Table 10. Estimated age composition of Portage Lake sockeye salmon escapement by week, 2001.

Week	Sample Size		Ages								Total
			1.1	1.2	2.1	1.3	2.2	1.4	2.3	2.4	
23 5/31-6/06	249	Percent	0.0	1.3	0.0	76.1	0.1	0.5	21.2	0.8	100.0
		Numbers	0	8	0	457	0	3	127	5	600
24 6/07-6/13	442	Percent	0.2	1.8	0.1	85.0	0.4	1.0	11.2	0.4	100.0
		Numbers	1	9	0	455	2	5	60	2	535
25 6/14-6/20	295	Percent	0.3	1.7	0.3	88.2	0.0	0.7	8.7	0.0	100.0
		Numbers	2	11	2	546	0	4	54	0	619
26 6/21-6/27	0	Percent	0.3	1.7	0.3	88.5	0.0	0.7	8.5	0.0	100.0
		Numbers	2	10	2	498	0	4	48	0	563
27 6/28-7/04	0	Percent	0.3	1.7	0.3	88.5	0.0	0.7	8.5	0.0	100.0
		Numbers	3	14	3	734	0	6	70	0	830
Total	986	Percent	0.3	1.7	0.2	85.5	0.1	0.7	11.4	0.2	100.0
		Numbers	8	52	7	2,690	2	22	359	7	3,147

Table 11. Length composition of Portage Lake sockeye salmon escapement samples by age and sex, 2001.

	Ages								
	1.1	1.2	1.3	1.4	2.1	2.2	2.3	2.4	Total
Females									
Mean Length	0	528	550	572	0	0	544	568	550
SE	-	-	1	10	-	-	2	17	1
Range	0-0	528-528	445-684	550-590	0-0	0-0	497-593	551-585	445-684
Sample Size	0	1	523	4	0	0	74	2	604
Males									
Mean Length	318	449	566	562	344	413	568	579	559
SE	3	12	1	3	-	23	4	15	2
Range	315-321	401-580	461-630	558-571	344-344	390-436	492-610	564-594	315-630
Sample Size	2	15	299	4	1	2	57	2	382
All Fish									
Mean Length	318	454	556	567	344	413	554	573	554
SE	3	12	1	5	-	23	2	10	1
Range	315-321	401-580	445-684	550-590	344-344	390-436	492-610	551-594	315-684
Sample Size	2	16	822	8	1	2	131	4	986

Table 12. Estimated sex composition of Portage Lake sockeye salmon escapement by week, 2001.

Week	Dates	Sample			Escapement					
					Percent		Number			
		Females	Males	Total	Females	Males	Females	Males	Total	
23	5/31-6/06	190	109	299	63.3	36.7	380	220	600	
24	6/07-6/13	334	206	540	61.9	38.1	331	204	535	
25	6/14-6/20	222	139	361	61.6	38.4	381	238	619	
26	6/21-6/27	0	0	0	61.5	38.5	346	217	563	
27	6/28-7/04	0	0	0	61.4	38.6	510	320	830	
Total		746	454	1,200	61.9	38.1	1,948	1,199	3,147	

Table 13. Estimated age composition of Pauls Lake (Laura) sockeye salmon escapement, weeks 26-29, 2001.

Week	Sample Size	Ages							Total
		1.1	1.2	2.1	1.3	2.2	2.3	3.3	
26 6/21-6/27	0	Percent	12.9	37.5	7.1	16.3	9.9	16.1	0.2 100.0
		Numbers	395	1,151	219	501	304	494	7 3,071
27 6/28-7/04	435	Percent	11.5	35.2	6.4	18.1	8.8	19.7	0.2 100.0
		Numbers	152	467	84	241	117	262	3 1,326
28 7/05-7/11	6	Percent	3.2	21.9	1.8	29.0	2.5	41.5	0.1 100.0
		Numbers	92	624	51	828	71	1,181	2 2,849
29 7/12-7/18	0	Percent	0.0	16.7	0.0	33.3	0.0	50.0	0.0 100.0
		Numbers	0	513	0	1,027	0	1,540	0 3,080
Total	441	Percent	6.2	26.7	3.4	25.2	4.8	33.7	0.1 100.0
		Numbers	639	2,755	354	2,597	492	3,477	12 10,326 ^a

^a Age composition estimates represent escapement from week 26 through 29. The total Pauls Lake sockeye salmon escapement was 23,230.

Table 14. Length composition of Pauls Lake (Laura) sockeye salmon escapement samples by age and sex, 2001.

	Ages							
	1.1	1.2	1.3	2.1	2.2	2.3	3.3	Total
Females								
Mean Length	0	479	538	0	495	544	0	514
SE	-	4	5	-	9	5	-	3
Range	0-0	429-568	440-587	0-0	416-560	435-605	0-0	416-605
Sample Size	0	59	46	0	15	42	0	162
Males								
Mean Length	334	475	547	331	493	554	535	448
SE	4	5	9	4	10	4	-	6
Range	275-452	300-580	441-594	297-380	332-585	521-602	535-535	275-602
Sample Size	48	95	20	27	26	26	1	243
All Fish								
Mean Length	334	477	541	331	493	548	535	474
SE	4	3	4	4	7	3	-	4
Range	275-452	300-580	440-594	297-380	332-585	435-605	535-535	275-605
Sample Size	48	154	66	27	41	68	1	405

Table 15. Estimated sex composition of Pauls Lake (Laura) sockeye salmon escapement, weeks 26-29, 2001.

Week	Dates	Sample			Escapement					
		Females	Males	Total	Percent		Number		Females	Males
					Females	Males	Females	Males		
26	6/21-6/27	0	0	0	38.3	61.7	1,177	1,894	3,071	
27	6/28-7/04	212	341	553	38.2	61.8	507	819	1,326	
28	7/05-7/11	3	5	8	37.7	62.3	1,074	1,775	2,849	
29	7/12-7/18	0	0	0	37.5	62.5	1,155	1,925	3,080	
Total		215	346	561	37.8	62.2	3,913	6,413	10,326	^a

^a Sex composition estimates represent escapement from week 26 through 29. The total Pauls Lake sockeye salmon escapement was 23,230.

Table 16. Estimated age composition of Afognak Lake (Litnik) sockeye salmon escapement by week, through 1 August, 2001.

Week	Sample Size	Ages										Total
		1.1	1.2	2.1	1.3	2.2	3.1	2.3	4.1	3.3		
22 5/24-5/30	0	Percent	0.0	2.8	0.0	32.3	3.7	0.0	60.4	0.0	0.9	100.0
		Numbers	0	48	0	563	64	0	1,053	0	16	1,745
23 5/31-6/06	217	Percent	0.0	3.3	0.1	32.2	3.6	0.2	59.6	0.0	0.9	100.0
		Numbers	0	162	4	1,570	176	10	2,903	2	46	4,874
24 6/07-6/13	155	Percent	0.0	11.7	1.7	30.5	2.7	3.5	48.3	0.5	1.1	100.0
		Numbers	0	699	103	1,826	163	212	2,892	30	67	5,992
25 6/14-6/20	85	Percent	0.0	20.5	5.6	22.9	2.4	8.5	39.3	0.2	0.5	100.0
		Numbers	0	759	208	850	90	316	1,455	9	18	3,706
26 6/21-6/27	96	Percent	0.3	21.8	4.1	21.1	4.6	11.2	36.0	0.8	0.0	100.0
		Numbers	4	261	49	253	55	134	432	10	0	1,199
27 6/28-7/04	0	Percent	2.1	17.2	8.5	16.9	4.4	23.2	26.9	0.7	0.2	100.0
		Numbers	36	288	143	284	74	390	451	11	3	1,679
28 7/05-7/11	0	Percent	4.2	12.6	14.7	11.1	3.6	37.6	15.6	0.3	0.3	100.0
		Numbers	10	30	35	27	9	90	37	1	1	240
29 7/12-7/18	237	Percent	5.7	9.2	19.3	6.8	3.0	48.2	7.3	0.0	0.4	100.0
		Numbers	63	101	211	74	33	526	79	0	4	1,091
30 7/19-7/25	0	Percent	5.9	8.9	19.8	6.3	3.0	49.4	6.3	0.0	0.4	100.0
		Numbers	6	9	21	7	3	52	7	0	0	106
31 7/26-8/01	0	Percent	5.9	8.9	19.8	6.3	3.0	49.4	6.3	0.0	0.4	100.0
		Numbers	18	26	59	19	9	147	19	0	1	297
Total	790	Percent	0.7	11.4	4.0	26.2	3.2	9.0	44.6	0.3	0.7	100.0
		Numbers	137	2,383	833	5,473	676	1,877	9,328	63	156	20,929 ^a

^a Age composition estimates represent escapement through 1 August. The total Litnik sockeye salmon escapement was 24,271.

Table 17. Length composition of Afognak Lake (Litnik) sockeye salmon escapement samples by age and sex, 2001.

	Ages									
	1.1	1.2	1.3	2.1	2.2	2.3	3.1	3.3	4.1	Total
Females										
Mean Length	301	472	554	336	444	552	339	556	0	526
SE	-	5	2	8	14	2	4	16	-	4
Range	301-301	418-551	474-600	309-366	419-469	490-601	308-371	540-572	0-0	301-601
Sample Size	1	32	109	7	3	149	18	2	0	321
Males										
Mean Length	336	473	571	344	477	574	353	570	362	466
SE	7	5	3	3	7	2	2	15	14	5
Range	302-381	400-579	473-636	291-382	421-537	504-632	286-398	541-587	348-376	286-636
Sample Size	13	53	62	51	23	135	122	3	2	464
All Fish										
Mean Length	333	473	560	343	473	563	351	564	362	491
SE	7	4	2	3	7	1	2	10	14	3
Range	301-381	400-579	473-636	291-382	419-537	490-632	286-398	540-587	348-376	286-636
Sample Size	14	85	171	58	26	284	140	5	2	785

Table 18. Estimated sex composition of Afognak Lake (Litnik) sockeye salmon escapement by week, through 1 August, 2001.

Week	Dates	Sample			Escapement			Number		
		Females	Males	Total	Percent	Females	Males	Females	Males	Total
22	5/24-5/30	0	0	0	51.4	48.6	897	848	1,745	
23	5/31-6/06	144	136	280	51.6	48.4	2,513	2,361	4,874	
24	6/07-6/13	107	93	200	52.4	47.6	3,139	2,853	5,992	
25	6/14-6/20	53	67	120	47.7	52.3	1,768	1,938	3,706	
26	6/21-6/27	62	58	120	48.7	51.3	584	615	1,199	
27	6/28-7/04	0	0	0	40.4	59.6	679	1,000	1,679	
28	7/05-7/11	0	0	0	29.6	70.4	71	169	240	
29	7/12-7/18	63	242	305	21.5	78.5	235	856	1,091	
30	7/19-7/25	0	0	0	20.8	79.2	22	84	106	
31	7/26-8/01	0	0	0	20.5	79.5	61	236	297	
Total		429	596	1,025	47.6	52.4	9,969	10,960	20,929	^a

^a Sex composition estimates represent escapement through 1 August. The total Litnik sockeye salmon escapement was 24,271.

Table 19. Estimated age composition of Karluk Lake early-run sockeye salmon escapement by week, 2001.

Week	Sample Size		Ages												Total		
			1.1	0.3	1.2	2.1	1.3	2.2	3.1	2.3	3.2	2.4	3.3	4.2	3.4		
22 5/24-5/30	0	Percent	0.5	0.0	2.2	2.2	0.0	47.3	0.0	32.6	10.3	0.0	4.9	0.0	0.0	100.0	
		Numbers	39	0	156	156	0	3,398	0	2,343	742	0	351	0	0	7,186	
23 5/31-6/06	184	Percent	0.5	0.0	2.0	2.2	0.0	46.9	0.1	32.9	10.5	0.0	4.9	0.0	0.0	100.0	
		Numbers	299	20	1,196	1,277	20	27,717	41	19,462	6,209	0	2,874	20	0	59,134	
24 6/07-6/13	203	Percent	0.1	0.4	0.3	2.2	0.4	41.3	0.8	36.9	12.6	0.1	4.5	0.4	0.1	100.0	
		Numbers	136	807	543	4,660	807	86,805	1,614	77,547	26,557	111	9,483	807	111	209,987	
25 6/14-6/20	191	Percent	0.0	0.2	0.0	3.7	0.2	36.3	0.3	40.1	13.7	0.3	4.6	0.2	0.3	100.0	
		Numbers	0	75	4	1,715	88	16,717	155	18,487	6,321	157	2,114	79	157	46,070	
26 6/21-6/27	179	Percent	0.0	0.0	0.3	13.8	1.0	27.5	0.3	37.7	15.0	0.2	3.6	0.3	0.2	100.0	
		Numbers	0	0	29	1,251	88	2,484	31	3,416	1,354	20	327	30	20	9,049	
27 6/28-7/04	200	Percent	0.0	0.0	0.1	16.9	0.8	20.9	1.3	42.5	12.2	0.0	4.9	0.5	0.0	100.0	
		Numbers	0	0	1	232	11	287	17	584	168	0	67	7	0	1,375	
28 7/05-7/11	211	Percent	0.0	0.0	0.0	7.1	1.5	23.4	0.6	48.5	11.3	0.0	7.5	0.1	0.0	100.0	
		Numbers	0	0	0	98	21	323	8	668	156	0	103	1	0	1,378	
29 7/12-7/18	91	Percent	0.0	0.0	0.0	2.5	1.2	18.2	0.0	63.4	11.0	0.0	3.7	0.0	0.0	100.0	
		Numbers	0	0	0	78	37	577	1	2,013	350	0	118	0	0	3,173	
30 7/19-7/21	0	Percent	0.0	0.0	0.0	2.2	1.1	17.6	0.0	64.8	11.0	0.0	3.3	0.0	0.0	100.0	
		Numbers	0	0	0	32	16	254	0	937	159	0	48	0	0	1,445	
Total		Percent	0.1	0.3	0.6	2.8	0.3	40.9	0.6	37.0	12.4	0.1	4.6	0.3	0.1	100.0	
		Numbers	474	902	1,929	9,499	1,088	138,562	1,867	125,457	42,016	288	15,485	944	288	338,797	

Table 20. Length composition of Karluk Lake early-run sockeye salmon escapement samples by age and sex, 2001.

	Ages														
	0.3	1.1	1.2	1.3	2.1	2.2	2.3	2.4	3.1	3.2	3.3	3.4	4.2	Total	
Females															
Mean Length	514	0	0	569	0	517	557	571	0	517	545	507	505	538	
SE	-	-	-	9	-	2	2	-	-	4	5	-	28	1	
Range	514-514	0-0	0-0	549-614	0-0	406-594	491-646	571-571	0-0	420-586	490-610	507-507	478-533	406-646	
Sample Size	1	0	0	6	0	168	259	1	0	77	32	1	2	547	
Males															
Mean Length	0	381	491	576	380	519	566	0	382	519	568	0	520	518	
SE	-	-	30	13	3	2	2	-	7	4	6	-	-	3	
Range	0-0	381-381	429-584	540-598	325-494	374-610	441-668	0-0	350-404	406-598	505-634	0-0	520-520	325-668	
Sample Size	0	1	5	4	99	217	259	0	7	80	32	0	1	705	
All Fish															
Mean Length	514	381	491	572	380	518	561	571	382	518	556	507	510	527	
SE	-	-	30	7	3	2	1	-	7	3	4	-	17	2	
Range	514-514	381-381	429-584	540-614	325-494	374-610	441-668	571-571	350-404	406-598	490-634	507-507	478-533	325-668	
Sample Size	1	1	5	10	99	385	518	1	7	157	64	1	3	1,252	

Table 21. Estimated sex composition of Karluk Lake early-run sockeye salmon escapement by week, 2001.

Week	Dates	Sample			Escapement				Total
		Females	Males	Total	Percent	Females	Males	Number	
22	5/24-5/30	0	0	0	32.1	67.9	2,306	4,880	7,186
23	5/31-6/06	77	163	240	32.5	67.5	19,196	39,938	59,134
24	6/07-6/13	90	150	240	37.8	62.2	79,428	130,559	209,987
25	6/14-6/20	113	127	240	43.9	56.1	20,225	25,845	46,070
26	6/21-6/27	102	116	218	46.8	53.2	4,236	4,813	9,049
27	6/28-7/04	95	145	240	41.4	58.6	569	806	1,375
28	7/05-7/11	132	148	280	46.7	53.3	643	735	1,378
29	7/12-7/18	63	57	120	52.1	47.9	1,653	1,520	3,173
30	7/19-7/21	0	0	0	52.5	47.5	759	686	1,445
Total		672	906	1,578	38.1	61.9	129,014	209,783	338,797

Table 22. Estimated age composition of Karluk Lake late-run sockeye salmon escapement by week, 2001.

Week	Sample Size	Ages												Total
		1.1	1.2	2.1	1.3	2.2	3.1	2.3	3.2	2.4	3.3	4.2		
30 7/22-7/25	0	Percent	0.4	0.7	12.7	0.7	21.4	0.4	53.6	6.5	0.0	3.6	0.0	100.0
		Numbers	2	5	85	5	143	2	359	44	0	24	0	669
31 7/26-8/01	276	Percent	0.3	0.5	8.8	0.5	20.8	0.3	57.9	6.5	0.0	4.5	0.0	100.0
		Numbers	61	121	2,124	121	5,002	61	13,957	1,566	0	1,081	0	24,094
32 8/02-8/08	62	Percent	0.1	0.2	3.8	0.2	20.1	0.1	63.5	6.5	0.0	5.6	0.0	100.0
		Numbers	70	140	2,454	140	12,921	70	40,846	4,153	0	3,579	0	64,372
33 8/09-8/15	162	Percent	0.0	0.0	1.5	0.0	28.6	0.0	61.9	5.0	0.0	2.9	0.0	100.0
		Numbers	0	0	840	0	15,544	13	33,598	2,691	7	1,571	7	54,270
34 8/16-8/22	251	Percent	0.0	0.0	4.1	0.0	37.0	0.5	44.8	9.6	0.3	3.4	0.3	100.0
		Numbers	0	0	5,274	0	47,096	690	56,979	12,164	345	4,365	345	127,259
35 8/23-8/29	136	Percent	0.0	0.2	3.9	0.0	37.5	0.6	40.1	14.0	0.0	3.8	0.0	100.0
		Numbers	0	74	1,560	0	15,170	227	16,233	5,665	2	1,538	2	40,471
36 8/30-9/05	183	Percent	0.0	0.4	3.1	0.0	33.7	1.3	42.4	14.2	0.0	4.9	0.0	100.0
		Numbers	0	487	3,626	0	39,363	1,467	49,434	16,587	0	5,679	7	116,649
37 9/06-9/12	103	Percent	0.0	0.0	1.7	0.0	36.0	0.9	31.8	24.7	0.0	4.1	0.8	100.0
		Numbers	0	8	388	0	8,464	216	7,464	5,792	0	970	193	23,495
38 9/13-9/19	85	Percent	0.0	0.0	6.9	0.0	22.8	0.0	30.6	25.9	0.0	13.8	0.0	100.0
		Numbers	0	0	5,067	0	16,723	19	22,479	19,001	0	10,152	19	73,460
Total	1,258	Percent	0.0	0.2	4.1	0.1	30.6	0.5	46.0	12.9	0.1	5.5	0.1	100.0
		Numbers	133	835	21,418	266	160,426	2,765	241,349	67,663	354	28,959	573	524,739

Table 23. Length composition of Karluk Lake late-run sockeye salmon escapement samples by age and sex, 2001.

	Ages												
	1.1	1.2	1.3	2.1	2.2	2.3	2.4	3.1	3.2	3.3	4.2	Total	
Females													
Mean Length	0	486	530	0	527	560	574	443	530	564	521	543	
SE	-	65	11	-	2	1	-	-	2	2	-	1	
Range	0-0	422-551	520-541	0-0	430-596	493-627	574-574	443-443	490-588	538-582	521-521	422-627	
Sample Size	0	2	2	0	237	256	1	1	88	23	1	611	
Males													
Mean Length	306	528	0	377	546	585	0	405	549	580	522	548	
SE	-	-	-	4	2	1	-	15	4	4	-	3	
Range	306-306	528-528	0-0	303-449	460-618	513-642	0-0	345-436	473-602	510-629	522-522	303-642	
Sample Size	1	1	0	68	151	325	0	6	60	33	1	646	
All Fish													
Mean Length	306	500	530	377	535	574	574	410	538	573	521	546	
SE	-	40	11	4	1	1	-	14	2	3	1	1	
Range	306-306	422-551	520-541	303-449	430-618	493-642	574-574	345-443	473-602	510-629	521-522	303-642	
Sample Size	1	3	2	68	388	581	1	7	148	56	2	1,257	

Table 24. Estimated sex composition of Karluk Lake late-run sockeye salmon escapement by week, 2001.

Week	Dates	Sample			Escapement				Total
		Females	Males	Total	Percent	Females	Males	Number	
30	7/22-7/25	0	0	0	33.5	66.5	224	445	669
31	7/26-8/01	117	233	350	33.1	66.9	7,986	16,108	24,094
32	8/02-8/08	26	54	80	33.0	67.0	21,216	43,156	64,372
33	8/09-8/15	102	98	200	47.1	52.9	25,572	28,698	54,270
34	8/16-8/22	169	151	320	52.6	47.4	66,978	60,281	127,259
35	8/23-8/29	105	88	193	53.6	46.4	21,694	18,777	40,471
36	8/30-9/05	125	115	240	52.6	47.4	61,408	55,241	116,649
37	9/06-9/12	79	61	140	55.2	44.8	12,980	10,515	23,495
38	9/13-9/19	56	64	120	46.9	53.1	34,472	38,988	73,460
Total		779	864	1,643	48.1	51.9	252,531	272,208	524,739

Table 25. Estimated age composition of Red Lake (Ayakulik River) sockeye salmon escapement by week, 2001.

Week	Sample Size		Ages												Total
			1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	2.3	3.2	2.4	3.3	
21 5/17-5/23	0	Percent	0.5	1.9	0.5	0.0	0.0	10.0	51.0	0.0	35.7	0.5	0.0	0.0	100.0
		Numbers	2	10	2	0	0	51	260	0	183	2	0	0	511
22 5/24-5/30	0	Percent	0.5	1.9	0.5	0.0	0.0	10.0	51.0	0.0	35.7	0.5	0.0	0.0	100.0
		Numbers	119	475	119	0	0	2,496	12,719	0	8,915	119	0	0	24,962
23 5/31-6/06	210	Percent	0.5	2.1	0.7	0.0	0.2	8.9	50.8	0.0	35.0	1.9	0.0	0.0	100.0
		Numbers	335	1,469	462	0	127	6,158	35,263	0	24,274	1,349	0	0	69,437
24 6/07-6/13	202	Percent	0.9	2.3	1.2	0.0	0.4	6.8	49.0	0.0	35.3	4.0	0.0	0.1	100.0
		Numbers	392	969	522	0	176	2,902	20,811	0	14,979	1,682	0	23	42,455
25 6/14-6/20	202	Percent	4.9	1.2	3.2	0.0	0.0	4.7	36.6	0.0	46.4	2.6	0.0	0.4	100.0
		Numbers	292	69	191	0	2	277	2,178	0	2,757	157	0	22	5,945
26 6/21-6/27	208	Percent	7.1	1.2	2.7	0.0	0.0	5.4	32.2	0.0	47.3	4.1	0.0	0.0	100.0
		Numbers	306	52	116	0	0	233	1,394	0	2,050	177	0	2	4,329
27 6/28-7/04	193	Percent	2.4	0.3	1.1	0.1	0.0	7.8	30.8	0.0	55.3	2.2	0.0	0.0	100.0
		Numbers	316	44	151	18	0	1,034	4,104	0	7,364	287	0	0	13,318
28 7/05-7/11	184	Percent	1.8	1.0	1.2	0.5	0.0	3.9	34.0	0.0	53.2	4.3	0.0	0.0	100.0
		Numbers	193	108	127	54	0	415	3,608	0	5,637	458	0	0	10,601
29 7/12-7/18	202	Percent	1.3	0.8	2.0	0.8	0.0	3.6	34.2	0.0	53.4	4.1	0.0	0.0	100.0
		Numbers	143	91	218	87	0	399	3,811	0	5,955	452	0	0	11,156
30 7/19-7/25	196	Percent	1.7	0.3	1.8	2.5	0.0	1.9	37.3	0.3	46.3	7.8	0.3	0.0	100.0
		Numbers	215	37	235	321	0	241	4,799	34	5,967	999	34	0	12,883

-Continued-

Table 25. (page 2 of 2)

Week	Sample Size		Ages												Total	
			1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	2.3	3.2	2.4	3.3		
31 7/26-8/01	203	Percent	1.0	0.4	0.7	3.0	0.0	0.7	40.1	0.4	43.6	9.6	0.5	0.0	100.0	
		Numbers	151	55	109	437	0	98	5,915	55	6,425	1,414	76	0	14,735	
32 8/02-8/08	185	Percent	0.6	0.0	2.3	4.7	0.0	1.0	48.9	0.2	24.9	16.6	0.7	0.0	100.0	
		Numbers	28	0	110	223	0	47	2,299	9	1,170	781	31	0	4,698	
33 8/09-8/15	191	Percent	2.6	0.0	1.6	6.0	0.0	0.5	54.0	0.3	17.9	16.7	0.0	0.4	100.0	
		Numbers	55	0	34	124	0	10	1,122	7	372	347	1	9	2,079	
34 8/16-8/22	89	Percent	4.5	0.0	0.0	5.6	0.0	1.1	56.2	0.0	15.7	15.7	0.0	1.1	100.0	
		Numbers	54	0	0	67	0	13	674	0	189	189	0	13	1,199	
35 8/23-8/29	0	Percent	4.5	0.0	0.0	5.6	0.0	1.1	56.2	0.0	15.7	15.7	0.0	1.1	100.0	
		Numbers	26	0	0	33	0	7	328	0	92	92	0	7	584	
Total		Percent	1.2	1.5	1.1	0.6	0.1	6.6	45.4	0.0	39.4	3.9	0.1	0.0	100.0	
		Numbers	2,627	3,379	2,396	1,364	305	14,381	99,285	105	86,329	8,505	142	76	218,892	

Table 26. Length composition of Red Lake (Ayakulik River) sockeye salmon escapement samples by age and sex, 2001.

	Ages													
	0.3	0.4	1.1	1.2	1.3	2.1	2.2	2.3	2.4	3.1	3.2	3.3	Total	
Females														
Mean Length	550	0	0	488	538	420	508	551	587	0	520	537	529	
SE	9	-	-	5	3	6	1	1	26	-	3	-	1	
Range	511-584	0-0	0-0	448-521	481-573	408-428	411-597	442-664	562-613	0-0	470-596	537-537	408-664	
Sample Size	7	0	0	13	45	3	438	477	2	0	75	1	1,061	
Males														
Mean Length	561	581	361	502	552	379	523	560	513	355	538	574	528	
SE	3	-	3	9	3	6	1	1	-	18	3	-	2	
Range	545-576	581-581	318-420	421-594	497-623	317-432	400-619	474-662	513-513	337-373	483-584	574-574	317-662	
Sample Size	12	1	52	27	53	33	486	459	1	2	75	1	1,202	
All Fish														
Mean Length	557	581	361	498	545	382	516	555	562	355	529	555	529	
SE	4	-	3	7	2	5	1	1	29	18	2	19	1	
Range	511-584	581-581	318-420	421-594	481-623	317-432	400-619	442-664	513-613	337-373	470-596	537-574	317-664	
Sample Size	19	1	52	40	98	36	924	936	3	2	150	2	2,263	

Table 27. Estimated sex composition of Red Lake (Ayakulik River) sockeye salmon escapement by week, 2001.

Week	Dates	Sample			Escapement					
					Percent		Number			
		Females	Males	Total	Females	Males	Females	Males	Total	
21	5/17-5/23	0	0	0	47.6	52.4	243	268	511	
22	5/24-5/30	0	0	0	47.5	52.5	11,857	13,105	24,962	
23	5/31-6/06	114	126	240	45.2	54.8	31,383	38,054	69,437	
24	6/07-6/13	99	141	240	42.4	57.6	17,989	24,466	42,455	
25	6/14-6/20	116	124	240	47.5	52.5	2,826	3,119	5,945	
26	6/21-6/27	111	129	240	46.4	53.6	2,009	2,320	4,329	
27	6/28-7/04	111	129	240	46.0	54.0	6,132	7,186	13,318	
28	7/05-7/11	109	131	240	47.4	52.6	5,026	5,575	10,601	
29	7/12-7/18	125	115	240	49.1	50.9	5,474	5,682	11,156	
30	7/19-7/25	86	154	240	44.1	55.9	5,679	7,204	12,883	
31	7/26-8/01	121	119	240	49.4	50.6	7,282	7,453	14,735	
32	8/02-8/08	132	108	240	52.9	47.1	2,487	2,211	4,698	
33	8/09-8/15	119	121	240	47.2	52.8	981	1,098	2,079	
34	8/16-8/22	48	64	112	42.9	57.1	514	685	1,199	
35	8/23-8/29	0	0	0	42.8	57.2	250	334	584	
Total		1,291	1,461	2,752	45.7	54.3	100,131	118,761	218,892	

Table 28. Estimated age composition of Olga Lakes (Upper Station) early-run sockeye salmon escapement by week, 2001.

Week	Sample Size		Ages									Total
			1.1	1.2	2.1	1.3	2.2	3.1	1.4	2.3	3.2	
22 5/24-5/30	208	Percent	0.0	0.0	1.4	61.1	20.1	0.0	0.0	17.4	0.0	100.0
		Numbers	0	0	109	4,775	1,572	0	0	1,362	4	7,821
23 5/31-6/06	220	Percent	0.0	0.0	1.3	55.8	27.9	0.0	0.0	14.5	0.4	100.0
		Numbers	0	11	324	13,872	6,930	0	0	3,610	96	24,843
24 6/07-6/13	206	Percent	0.0	0.4	3.9	41.6	41.0	0.0	0.0	12.7	0.5	100.0
		Numbers	0	97	939	10,099	9,966	0	0	3,083	116	24,300
25 6/14-6/20	224	Percent	0.0	0.8	7.5	30.5	51.0	0.0	0.0	9.8	0.4	100.0
		Numbers	0	55	543	2,203	3,687	0	0	711	32	7,231
26 6/21-6/27	205	Percent	0.1	0.5	9.4	37.0	40.9	0.1	0.0	12.0	0.0	100.0
		Numbers	1	7	116	455	503	1	0	148	1	1,230
27 6/28-7/04	162	Percent	0.4	0.6	19.0	22.9	47.9	0.4	0.0	8.7	0.0	100.0
		Numbers	3	5	151	181	380	3	0	69	0	793
28 7/05-7/11	139	Percent	0.1	1.5	11.2	38.7	36.6	0.0	0.1	11.7	0.0	100.0
		Numbers	0	6	40	139	132	0	0	42	0	360
29 7/12-7/15	153	Percent	0.6	2.6	22.4	39.9	23.4	0.0	0.6	10.5	0.0	100.0
		Numbers	1	6	48	86	51	0	1	23	0	216
Total	1,517	Percent	0.0	0.3	3.4	47.6	34.8	0.0	0.0	13.5	0.4	100.0
		Numbers	5	187	2,270	31,810	23,221	4	1	9,048	249	66,794

Table 29. Length composition of Olga Lakes (Upper Station) early-run sockeye salmon escapement samples by age and sex, 2001.

	Ages									
	1.1	1.2	1.3	1.4	2.1	2.2	2.3	3.1	3.2	Total
Females										
Mean Length	0	493	552	512	355	503	551	0	528	518
SE	-	8	1	-	3	1	2	-	9	2
Range	0-0	469-506	468-627	512-512	307-403	432-584	471-619	0-0	511-540	307-627
Sample Size	0	4	360	1	62	356	110	0	3	896
Males										
Mean Length	324	516	557	0	368	509	566	379	0	518
SE	18	16	1	-	2	2	3	-	-	3
Range	306-342	454-574	487-620	0-0	317-418	404-587	504-626	379-379	0-0	306-626
Sample Size	2	7	257	0	73	207	74	1	0	621
All Fish										
Mean Length	324	508	554	512	362	505	557	379	528	518
SE	18	11	1	-	2	1	2	-	9	2
Range	306-342	454-574	468-627	512-512	307-418	404-587	471-626	379-379	511-540	306-627
Sample Size	2	11	617	1	135	563	184	1	3	1,517

Table 30. Estimated sex composition of Olga Lakes (Upper Station) early-run sockeye salmon escapement by week, 2001.

Week	Dates	Sample			Escapement			Number		
		Females	Males	Total	Percent		Females	Males	Total	
					Females	Males				
22	5/24-5/30	127	113	240	52.5	47.5	4,109	3,712	7,821	
23	5/31-6/06	118	122	240	50.3	49.7	12,489	12,354	24,843	
24	6/07-6/13	132	108	240	54.0	46.0	13,128	11,172	24,300	
25	6/14-6/20	146	94	240	59.1	40.9	4,270	2,961	7,231	
26	6/21-6/27	146	94	240	61.2	38.8	753	477	1,230	
27	6/28-7/04	124	70	194	63.4	36.6	503	290	793	
28	7/05-7/11	116	51	167	69.2	30.8	249	111	360	
29	7/12-7/15	122	53	175	69.9	30.1	151	65	216	
Total		1,031	705	1,736	53.4	46.6	35,652	31,142	66,794	

Table 31. Estimated age composition of Olga Lakes (Upper Station) late-run sockeye salmon escapement, weeks 29-34, 2001.

Week	Sample Size	Ages											Total	
		1.1	0.3	1.2	2.1	1.3	2.2	3.1	1.4	2.3	3.2			
29 7/16-7/18	61	Percent	0.0	0.0	0.0	8.6	44.0	35.8	0.0	0.0	11.4	0.0	100.0	
		Numbers	0	0	0	15	76	62	0	0	20	0	173	
30 7/19-7/25	200	Percent	0.5	0.5	0.9	17.4	37.9	31.4	0.1	0.0	10.9	0.5	100.0	
		Numbers	3	3	6	111	242	200	1	0	69	3	637	
31 7/26-8/01	210	Percent	0.6	0.5	1.3	22.4	22.3	38.6	1.0	0.1	12.7	0.5	100.0	
		Numbers	27	23	62	1,088	1,084	1,875	49	4	618	23	4,852	
32 8/02-8/08	198	Percent	0.6	0.5	2.5	21.5	8.4	56.6	0.9	0.3	8.4	0.3	100.0	
		Numbers	47	40	203	1,714	668	4,512	71	23	672	24	7,974	
33 8/09-8/15	204	Percent	0.0	0.5	2.0	14.7	7.8	65.7	0.0	0.0	9.3	0.0	100.0	
		Numbers	0	86	345	2,590	1,382	11,571	0	0	1,641	0	17,615	
34 8/16-8/22	0	Percent	0.0	0.5	2.0	14.7	7.8	65.7	0.0	0.0	9.3	0.0	100.0	
		Numbers	0	98	394	2,951	1,574	13,183	0	0	1,869	0	20,070	
Total		Percent	0.2	0.5	2.0	16.5	9.8	61.2	0.2	0.1	9.5	0.1	100.0	
		Numbers	77	250	1,010	8,469	5,026	31,403	121	27	4,889	50	51,321 ^a	

^a Age composition estimates represent escapement from week 29-34. The total Upper Station late-run sockeye salmon escapement was 74,407.

Table 32. Length composition of Olga Lakes (Upper Station) late-run sockeye salmon escapement samples by age and sex, 2001.

	Ages										
	0.3	1.1	1.2	1.3	1.4	2.1	2.2	2.3	3.1	3.2	Total
Females											
Mean Length	565	356	516	590	641	381	551	585	406	572	543
SE	11	2	17	2	-	2	2	3	13	-	3
Range	551-588	354-358	440-579	515-638	641-641	338-420	448-623	532-630	393-419	572-572	338-641
Sample Size	3	2	8	129	1	57	187	57	2	1	447
Males											
Mean Length	580	347	506	600	0	392	564	602	384	560	524
SE	-	22	13	4	-	2	3	6	14	17	4
Range	580-580	325-369	463-557	530-645	0-0	323-458	439-644	517-644	356-400	544-577	323-645
Sample Size	1	2	6	59	0	111	208	34	3	2	426
All Fish											
Mean Length	569	351	512	593	641	388	558	591	393	564	534
SE	9	9	11	2	-	2	2	3	10	10	3
Range	551-588	325-369	440-579	515-645	641-641	323-458	439-644	517-644	356-419	544-577	323-645
Sample Size	4	4	14	188	1	168	395	91	5	3	873

Table 33. Estimated sex composition of Olga Lakes (Upper Station) late-run sockeye salmon escapement, weeks 29-34, 2001.

Week	Dates	Sample			Escapement					
		Females	Males	Total	Percent		Number		Males	Total
					Females	Males	Females	Males		
29	7/12-7/18	40	29	69	57.8	42.2	100	73	173	
30	7/19-7/25	130	111	241	53.4	46.6	340	297	637	
31	7/26-8/01	108	132	240	46.1	53.9	2,239	2,613	4,852	
32	8/02-8/08	121	119	240	52.0	48.0	4,144	3,830	7,974	
33	8/09-8/15	131	109	240	54.6	45.4	9,615	8,000	17,615	
34	8/16-8/22	0	0	0	54.6	45.4	10,955	9,115	20,070	
Total		530	500	1,030	53.4	46.6	27,392	23,929	51,321	^a

^a Sex composition estimates represent escapement from week 29-34. The total Upper Station late-run sockeye salmon escapement was 74,407.

Table 34. Estimated age composition of Frazer Lake sockeye salmon escapement by week, 2001.

Week	Sample Size	Ages												Total
		1.1	1.2	2.1	1.3	2.2	3.1	2.3	3.2	4.1	2.4	3.3		
23 5/31-6/06	0	Percent	0.0	0.8	0.0	20.0	7.7	0.0	70.0	1.5	0.0	0.0	0.0	100.0
		Numbers	0	0	0	11	4	0	37	1	0	0	0	53
24 6/07-6/13	130	Percent	0.1	0.7	0.0	19.7	7.4	0.0	69.9	1.6	0.0	0.0	0.8	100.0
		Numbers	4	36	0	1,066	401	0	3,790	85	0	0	43	5,426
25 6/14-6/20	167	Percent	0.4	0.4	0.0	19.0	5.9	0.0	68.2	1.9	0.0	0.0	4.3	100.0
		Numbers	369	372	0	18,571	5,753	0	66,637	1,851	0	0	4,207	97,761
26 6/21-6/27	165	Percent	0.1	1.1	0.2	21.3	6.7	0.0	64.7	2.7	0.0	0.0	3.2	100.0
		Numbers	31	323	49	6,004	1,898	0	18,211	764	0	0	888	28,168
27 6/28-7/04	94	Percent	0.0	2.7	1.7	16.3	14.1	0.0	55.4	6.4	0.0	0.0	3.3	100.0
		Numbers	0	89	57	534	461	1	1,810	208	0	0	108	3,268
28 7/05-7/11	207	Percent	0.0	1.9	2.3	13.2	16.8	0.4	52.4	6.1	0.0	0.0	7.1	100.0
		Numbers	0	180	218	1,268	1,615	34	5,040	585	0	0	680	9,619
29 7/12-7/18	156	Percent	0.0	2.2	1.9	15.4	13.7	0.0	53.5	7.5	0.0	0.0	5.8	100.0
		Numbers	0	64	55	452	403	1	1,573	222	0	0	170	2,940
30 7/19-7/25	168	Percent	0.2	1.5	4.4	17.3	13.4	0.0	55.3	2.8	0.0	0.0	5.2	100.0
		Numbers	5	42	123	485	376	0	1,553	77	0	1	146	2,810
31 7/26-8/01	152	Percent	1.9	2.7	18.8	13.6	11.6	0.0	44.9	3.2	0.2	0.5	2.8	100.0
		Numbers	42	61	427	309	265	0	1,022	73	4	11	63	2,275
32 8/02-8/08	153	Percent	0.4	2.0	23.8	10.8	14.1	0.0	43.0	2.9	0.4	0.1	2.5	100.0
		Numbers	6	28	344	157	203	0	620	41	6	1	36	1,444
33 8/09-8/15	95	Percent	0.0	3.0	29.1	11.5	9.9	0.0	43.1	1.2	0.0	0.0	2.1	100.0
		Numbers	0	18	170	67	58	0	252	7	0	0	12	585
Total	1,487	Percent	0.3	0.8	0.9	18.7	7.4	0.0	65.1	2.5	0.0	0.0	4.1	100.0
		Numbers	457	1,213	1,443	28,924	11,437	36	100,545	3,914	10	13	6,353	154,349

Table 35. Length composition of Frazer Lake sockeye salmon escapement samples by age and sex, 2001.

	Ages											
	1.1	1.2	1.3	2.1	2.2	2.3	2.4	3.1	3.2	3.3	4.1	Total
Females												
Mean Length	0	505	558	341	515	560	0	0	523	549	0	550
SE	-	9	2	22	3	1	-	-	3	4	-	1
Range	0-0	463-594	477-615	315-385	431-590	472-632	0-0	0-0	482-587	482-628	0-0	315-632
Sample Size	0	12	156	3	116	455	0	0	38	43	0	823
Males												
Mean Length	337	503	580	343	534	577	572	440	539	583	385	533
SE	11	17	4	3	5	1	-	-	9	7	-	4
Range	322-381	420-590	462-636	291-440	446-622	497-650	572-572	440-440	467-602	508-628	385-385	291-650
Sample Size	5	13	78	101	56	363	1	1	17	19	1	655
All Fish												
Mean Length	337	504	566	343	521	568	572	440	527	559	385	542
SE	11	10	2	3	3	1	-	-	4	4	-	2
Range	322-381	420-594	462-636	291-440	431-622	472-650	572-572	440-440	467-602	482-628	385-385	291-650
Sample Size	5	25	234	104	172	818	1	1	56	62	1	1,479

Table 36. Estimated sex composition of Frazer Lake sockeye salmon escapement by week, 2001.

Week	Dates	Sample			Escapement					
		Females	Males	Total	Percent		Number			Total
					Females	Males	Females	Males		
23	5/31-6/06	0	0	0	30.2	69.8	16	37	53	
24	6/07-6/13	55	125	180	33.9	66.1	1,839	3,587	5,426	
25	6/14-6/20	123	97	220	53.5	46.5	52,289	45,472	97,761	
26	6/21-6/27	150	90	240	61.2	38.8	17,230	10,938	28,168	
27	6/28-7/04	98	62	160	61.7	38.3	2,015	1,253	3,268	
28	7/05-7/11	206	114	320	63.1	36.9	6,073	3,546	9,619	
29	7/12-7/18	136	104	240	56.5	43.5	1,660	1,280	2,940	
30	7/19-7/25	128	108	236	54.6	45.4	1,535	1,275	2,810	
31	7/26-8/01	134	106	240	54.5	45.5	1,241	1,034	2,275	
32	8/02-8/08	122	118	240	50.4	49.6	728	716	1,444	
33	8/09-8/15	71	89	160	44.8	55.2	262	323	585	
Total		1,223	1,013	2,236	55.0	45.0	84,887	69,462	154,349	

Table 37. Estimated age composition of Saltery Lake sockeye salmon escapement, weeks 28-33, 2001.

Week	Sample Size	Ages									Total	
		1.1	0.3	1.2	1.3	2.2	2.3	2.4	3.4			
28 7/05-7/11	35	Percent	0.0	0.0	0.0	65.7	8.6	22.9	0.0	2.9	100.0	
		Numbers	0	0	0	6,837	892	2,378	0	297	10,404	
29 7/12-7/18	70	Percent	2.2	1.5	1.1	50.3	21.8	21.6	1.3	0.4	100.0	
		Numbers	189	128	95	4,392	1,901	1,886	111	31	8,733	
30 7/19-7/25	61	Percent	0.7	2.7	0.8	52.1	21.1	21.0	1.6	0.0	100.0	
		Numbers	63	231	69	4,461	1,808	1,802	137	0	8,571	
31 7/26-8/01	0	Percent	0.0	1.8	6.3	50.4	23.0	16.8	1.8	0.0	100.0	
		Numbers	0	84	300	2,417	1,105	804	85	0	4,795	
32 8/02-8/08	52	Percent	0.0	0.3	12.1	47.0	26.2	12.6	1.9	0.0	100.0	
		Numbers	0	13	466	1,817	1,012	486	73	0	3,867	
33 8/09-8/15	0	Percent	0.0	0.0	13.5	46.2	26.9	11.5	1.9	0.0	100.0	
		Numbers	0	0	158	543	317	136	23	0	1,177	
Total		Percent	0.7	1.2	2.9	54.5	18.7	20.0	1.1	0.9	100.0	
		Numbers	252	456	1,088	20,467	7,035	7,492	429	328	37,547 ^a	

^a Age composition estimates represent escapement from week 28-33. The total Saltery Lake sockeye salmon escapement was 45,608.

Table 38. Length composition of Saltery Lake sockeye salmon escapement samples by age and sex, 2001.

	Ages								
	0.3	1.1	1.2	1.3	2.2	2.3	2.4	3.4	Total
Females									
Mean Length	554	0	532	566	504	567	608	632	551
SE	7	-	13	4	6	5	6	-	4
Range	543-568	0-0	478-566	462-623	448-578	501-602	602-614	632-632	448-632
Sample Size	3	0	6	57	27	23	2	1	119
Males									
Mean Length	0	370	534	603	544	600	563	0	585
SE	-	12	35	3	11	6	-	-	5
Range	0-0	358-382	500-569	521-658	464-640	533-628	563-563	0-0	358-658
Sample Size	0	2	2	56	19	19	1	0	99
All Fish									
Mean Length	554	370	533	585	521	581	593	632	566
SE	7	12	12	3	6	4	15	-	3
Range	543-568	358-382	478-569	462-658	448-640	501-628	563-614	632-632	358-658
Sample Size	3	2	8	113	46	42	3	1	218

Table 39. Estimated sex composition of Saltery Lake sockeye salmon escapement, weeks 28-33, 2001.

Week	Dates	Sample			Escapement					
					Percent		Number			
		Females	Males	Total	Females	Males	Females	Males	Total	
28	7/05-7/11	24	16	40	60.0	40.0	6,242	4,162	10,404	
29	7/12-7/18	45	71	116	43.8	56.2	3,829	4,904	8,733	
30	7/19-7/25	57	39	96	54.3	45.7	4,653	3,918	8,571	
31	7/26-8/01	0	0	0	62.4	37.6	2,991	1,804	4,795	
32	8/02-8/08	54	28	82	65.2	34.8	2,520	1,347	3,867	
33	8/09-8/15	0	0	0	65.8	34.2	775	402	1,177	
Total		180	154	334	56.0	44.0	21,012	16,535	37,547	^a

^a Sex composition estimates represent escapement from week 28-33. The total Saltery Lake sockeye salmon escapement was 45,608.

Table 40. Estimated age composition of Akalura Lake sockeye salmon escapement, weeks 36-37, 2001.

Week	Sample Size		Ages						Total	
			1.2	1.3	2.2	2.3	2.4	3.3		
36 8/30-9/05	91	Percent	2.2	47.3	11.0	38.5	0.0	1.1	100.0	
		Numbers	29	633	147	515	0	15	1,340	
37 9/06-9/12	14	Percent	14.3	35.7	0.0	42.9	7.1	0.0	100.0	
		Numbers	119	298	0	357	60	0	834	
Total		Percent	6.8	42.8	6.8	40.1	2.7	0.7	100.0	
		Numbers	149	931	147	873	60	15	2,174 ^a	

^a Age composition estimates represent escapement from week 36-37. The total Akalura Lake sockeye salmon escapement was 13,772.

Table 41. Length composition of Akalura Lake sockeye salmon escapement samples by age and sex, 2001.

	Ages						
	1.2	1.3	2.2	2.3	2.4	3.3	Total
Females							
Mean Length	510	571	512	566	530	0	563
SE	-	9	18	7	-	-	6
Range	510-510	490-650	495-530	520-620	530-530	0-0	490-650
Sample Size	1	17	2	15	1	0	36
Males							
Mean Length	565	599	555	589	0	575	589
SE	18	5	14	5	-	-	4
Range	530-592	540-640	505-595	534-630	0-0	575-575	505-640
Sample Size	3	30	7	23	0	1	64
All Fish							
Mean Length	551	589	545	580	530	575	579
SE	19	5	13	5	-	-	3
Range	510-592	490-650	495-595	520-630	530-530	575-575	490-650
Sample Size	4	47	9	38	1	1	100

Table 42. Estimated sex composition of Akalura Lake sockeye salmon escapement, weeks 36-37, 2001.

Week	Dates	Sample			Escapement					
		Females	Males	Total	Percent		Number		Males	Total
					Females	Males	Females	Males		
36	8/30-9/05	45	81	126	35.7	64.3	479	861	1,340	
37	9/06-9/12	7	12	19	36.8	63.2	307	527	834	
Total		52	93	145	36.2	63.8	786	1,388	2,174	^a

^a Sex composition estimates represent escapement from week 36-37. The total Akalura Lake sockeye salmon escapement was 13,772.

Table 43. Estimated age composition of Little River Lake sockeye salmon escapement, 2001.

Week	Sample Size	Ages								Total
		1.1	1.2	1.3	2.2	3.1	2.3	3.2		
23 5/31-6/06	0	Percent	0.0	0.0	95.8	4.2	0.0	0.0	0.0	100.0
		Numbers	0	0	312	14	0	0	0	326
24 6/07-6/13	24	Percent	0.9	0.0	91.1	6.3	0.9	0.9	0.0	100.0
		Numbers	10	0	1,094	75	10	10	0	1,200
25 6/14-6/20	38	Percent	2.0	0.0	82.6	10.6	2.4	2.4	0.0	100.0
		Numbers	22	0	888	114	25	25	0	1,075
26 6/21-6/27	36	Percent	0.2	0.0	80.3	15.2	2.1	2.1	0.0	100.0
		Numbers	1	0	524	99	14	14	0	652
27 6/28-7/04	16	Percent	1.1	1.1	80.6	15.9	0.1	1.2	0.0	100.0
		Numbers	5	5	327	64	0	5	0	406
28 7/05-7/11	17	Percent	4.8	5.2	59.1	26.2	0.0	4.8	0.0	100.0
		Numbers	8	9	103	46	0	8	0	175
29 7/12-7/18	23	Percent	0.4	5.0	78.5	14.3	0.3	1.1	0.3	100.0
		Numbers	0	5	77	14	0	1	0	98
30 7/19-7/25	29	Percent	0.0	9.5	64.9	13.7	3.0	5.9	3.0	100.0
		Numbers	0	6	40	8	2	4	2	62
Total	183	Percent	1.2	0.6	84.3	10.9	1.3	1.7	0.1	100.0
		Numbers	46	25	3,365	434	51	67	2	3,994

Table 44. Length composition of Little River Lake sockeye salmon escapement samples by age and sex, 2001.

	Ages							
	1.1	1.2	1.3	2.2	2.3	3.1	3.2	Total
Females								
Mean Length	362	523	536	473	517	393	408	520
SE	-	-	2	8	14	4	-	4
Range	362-362	523-523	491-583	413-502	499-544	385-397	408-408	362-583
Sample Size	1	1	80	13	3	3	1	102
Males								
Mean Length	362	495	555	492	553	0	0	540
SE	-	33	4	12	4	-	-	5
Range	362-362	419-568	493-612	411-589	550-557	0-0	0-0	362-612
Sample Size	1	4	61	12	2	0	0	80
All Fish								
Mean Length	362	500	544	482	531	393	408	529
SE	0	26	2	7	12	4	-	3
Range	362-362	419-568	491-612	411-589	499-557	385-397	408-408	362-612
Sample Size	2	5	141	25	5	3	1	182

Table 45. Estimated sex composition of Little River Lake sockeye salmon escapement by week, 2001.

Week	Dates	Sample			Escapement			Number		
					Percent					
		Females	Males	Total	Females	Males	Females	Males	Total	
23	5/31-6/06	0	0	0	51.5	48.5	168	158	326	
24	6/07-6/13	16	15	31	53.1	46.9	637	563	1,200	
25	6/14-6/20	28	22	50	55.9	44.1	601	474	1,075	
26	6/21-6/27	26	18	44	57.7	42.3	376	276	652	
27	6/28-7/04	13	11	24	52.5	47.5	213	193	406	
28	7/05-7/11	10	12	22	48.6	51.4	85	90	175	
29	7/12-7/18	22	9	31	68.4	31.6	67	31	98	
30	7/19-7/25	26	12	38	69.4	30.6	43	19	62	
Total		141	99	240	54.9	45.1	2,191	1,803	3,994	

Table 46. Kodiak Management Area commercial salmon harvest by species and year, 1970 through 2001.

Year	Species					Total
	Chinook	Sockeye	Coho	Pink	Chum	
1970	1,089	917,047	66,424	12,036,598	919,972	13,941,130
1971	920	478,479	22,844	4,334,492	1,541,444	6,378,179
1972	1,300	222,800	16,588	2,478,737	1,163,772	3,883,197
1973	800	167,341	3,573	511,708	317,921	1,001,343
1974	545	418,761	13,631	2,647,196	249,294	3,329,427
1975	101	136,418	23,659	2,942,801	84,431	3,187,410
1976	700	641,500	23,700	11,078,000	740,500	12,484,400
1977	600	623,500	27,900	6,252,400	1,072,300	7,976,700
1978	3,228	1,071,782	48,795	15,004,065	814,345	16,942,215
1979	1,907	630,756	140,629	11,285,809	358,336	12,417,437
1980	600	651,000	140,000	17,291,000	1,076,000	19,158,600
1981	1,000	1,289,000	122,000	10,337,000	1,345,000	13,094,000
1982	1,000	1,205,000	344,000	8,076,000	1,266,000	10,892,000
1983	4,000	1,232,000	158,000	4,603,000	1,085,000	7,082,000
1984	5,000	1,951,000	230,000	10,884,000	649,000	13,719,000
1985	5,000	1,843,000	284,000	7,335,000	431,000	9,898,000
1986	4,000	3,155,000	168,000	11,504,000	1,126,000	15,957,000
1987	5,000	1,793,000	192,000	5,073,000	682,000	7,745,000
1988	22,000	2,696,000	300,000	14,556,000	1,426,000	19,000,000
1989 ^a	4,851	2,628,565	141,433	22,648,511	835,734	26,259,094
1990	18,806	5,248,404	293,819	5,983,812	577,743	12,122,584
1991	22,233	5,704,041	324,860	16,642,804	1,029,070	23,723,008
1992	24,299	4,167,705	280,084	3,310,501	679,484	8,462,073
1993	42,199	4,377,771	313,467	34,019,420	588,331	39,341,188
1994	22,572	2,876,645	296,098	8,162,564	738,737	12,096,616
1995	18,704	4,485,321	307,729	42,832,437	1,522,705	49,166,896
1996	13,071	4,970,390	201,836	3,486,930	543,751	9,215,978
1997	18,728	2,505,785	381,008	11,035,128	520,329	14,460,978
1998	17,341	3,623,686	425,143	22,062,465	316,115	26,444,750
1999	18,299	4,652,961	296,371	11,898,382	913,867	17,779,880
2000	12,293	2,906,391	333,002	9,927,397	1,194,448	14,373,531
2001	23,827	2,659,267	407,978	19,567,163	1,053,730	23,711,965
Average						
1996-2000	15,946	3,731,843	327,472	11,682,060	697,702	16,455,023
1991-2000	20,974	4,027,070	315,960	16,337,803	804,684	21,506,490

^a Catch numbers represent the projected harvest if the Exxon Valdez oil spill had not eliminated a major portion of the commercial fishery.

Table 47. Commercial salmon catch numbers and weight by species, district, and section, Kodiak Management Area, 2001.

District	Section	Species														
		Chinook			Sockeye			Coho			Pink			Chum		
		no.	lbs	mean	no.	lbs	mean	no.	lbs	mean	no.	lbs	mean	no.	lbs	mean
Afognak District																
S.W.AFOGNAK & RASPBERRY STRAITS SECTIONS (251-10,11,20)		4,779	35,800	7.5	75,232	399,167	5.3	17,319	121,632	7.0	335,656	1,117,226	3.3	25,694	214,327	8.3
N.W. AFOGNAK SECTION (251-30,40,41,50)		104	627	6.0	32,174	163,587	5.1	5,976	44,237	7.4	7,730	25,775	3.3	177	1,344	7.6
SHUYAK ISLAND SECTION (251-60,70,81)		2	44	22.0	487	2,436	5.0	9,584	75,732	7.9	1,104	3,379	3.1	100	895	9.0
PERENOSA BAY SECTION (251-82,83,84)		3	26	8.7	16,049	73,957	4.6	21,518	183,218	8.5	5,481	18,007	3.3	25	197	7.9
N.E.AFOGNAK SECTION (251-90,252-10,20)		51	336	6.6	1,095	5,824	5.3	1,572	11,256	7.2	47,405	160,448	3.4	531	4,358	8.2
IZHUT BAY SECTION (252-30)		204	1,772	8.7	10,606	55,552	5.2	75,169	563,288	7.5	5,893,524	20,234,230	3.4	51,542	393,482	7.6
KITOI BAY SECTION (252-32)		279	3,248	11.6	6,791	37,447	5.5	8,265	67,454	8.2	985,663	3,278,564	3.3	124,566	934,216	7.5
DUCK BAY SECTION (252-31)		347	4,354	12.5	31,119	160,792	5.2	68,298	516,217	7.6	6,247,574	21,188,466	3.4	40,158	313,732	7.8
S.E.AFOGNAK (252-33,34,35)		4	68	17.0	774	4,326	5.6	1,232	9,376	7.6	145,366	520,443	3.6	359	2,781	7.7
Subtotal		5,773	46,275	8.0	174,327	903,088	5.2	208,933	1,592,410	7.6	13,669,503	46,546,538	3.4	243,152	1,865,332	7.7
Northwest Kodiak District																
CENTRAL, TERROR BAY, INNER UGANIK, SPIRIDON, ZACHAR, & UYAK BAY SECTIONS COMBINED (253-11,12,13,14,31-35)		3,115	36,456	11.7	839,437	4,701,708	5.6	88,301	742,890	8.4	2,854,993	10,214,279	3.6	280,849	2,449,412	8.7
NORTH CAPE, ANTON LARSEN, SHERATIN, & KIZHUYAK SECTIONS COMBINED (259-35,36,37,38,39)		549	5,749	10.5	91,386	509,200	5.6	21,193	147,112	6.9	237,485	874,666	3.7	36,852	292,280	7.9
Subtotal		3,664	42,205	11.5	930,823	5,210,908	5.6	109,494	890,002	8.1	3,092,478	11,088,945	3.6	317,701	2,741,692	8.6

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Table 47. (page 2 of 3)

District	Section	Species														
		Chinook			Sockeye			Coho			Pink			Chum		
		no.	lbs	mean	no.	lbs	mean	no.	lbs	mean	no.	lbs	mean	no.	lbs	mean
Southwest Kodiak District																
OUTER KARLUK SECTION (255-20)		1,541	20,152	13.1	152,416	797,376	5.2	12,898	129,535	10.0	44,238	150,747	3.4	4,059	34,084	8.4
INNER KARLUK (255-10)		1,051	12,997	12.4	54,604	280,100	5.1	0	0	0.0	1,780	5,979	3.4	886	7,808	8.8
HALIBUT BAY SECTION (256-25,30)		552	9,185	16.6	77,227	423,696	5.5	4,786	39,190	8.2	201,936	656,444	3.3	10,808	94,486	8.7
INNER & OUTER AYAKULIK SECTIONS (256-10,15,20)		6,731	130,869	19.4	387,966	2,045,861	5.3	280	2,070	7.4	87,848	282,100	3.2	35,184	295,222	8.4
Subtotal		9,875	173,203	17.5	672,213	3,547,033	5.3	17,964	170,795	9.5	335,802	1,095,270	3.3	50,937	431,600	8.5
Alitak Bay District																
CAPE ALITAK (257-10&20)		445	9,997	22.5	113,509	632,454	5.6	273	2,300	8.4	152,271	598,084	3.9	20,566	179,246	8.7
MOSER/OLGA BAY & DOG SALMON FLATS SECTIONS (257-40,41,42)		70	1,375	19.6	296,901	1,701,771	5.7	591	4,957	8.4	97,174	374,423	3.9	11,189	98,290	8.8
HUMPY/DEADMAN SECTION (257-50,60,70)		136	2,896	21.3	53,041	290,461	5.5	1,608	13,177	8.2	1,190,596	4,273,383	3.6	20,805	193,453	9.3
Subtotal		651	14,268	21.9	463,451	2,624,686	5.7	2,472	20,434	8.3	1,440,041	5,245,890	3.6	52,560	470,989	9.0
Eastside Kodiak District																
SEVEN RIVERS SECTION (258-70,80,83,85,90)		156	1,595	10.2	18,449	95,248	5.2	7,422	54,901	7.4	12,677	47,024	3.7	4,329	32,566	7.5
TWO-HEADED SECTION (258-54,55,60)		72	1,174	16.3	10,302	55,884	5.4	1,586	11,642	7.3	17,905	62,539	3.5	2,244	17,267	7.7
SITKALIDAK SECTION (258-10,20,30,40,51,52,53)		418	6,106	14.6	61,750	339,757	5.5	34,938	246,184	7.0	570,972	1,963,763	3.4	107,044	838,173	7.8
INNER & OUTER UGAK (259-40,41,42)		106	1,497	14.1	11,423	61,779	5.4	341	2,249	6.6	14,237	47,783	3.4	65,984	498,276	7.6
Subtotal		752	10,372	13.8	101,924	552,668	5.4	44,287	314,976	7.1	615,791	2,121,109	3.4	179,601	1,386,282	7.7

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Table 47. (page 3 of 3)

District	Section	Species														
		Chinook			Sockeye			Coho			Pink			Chum		
		no.	lbs	mean	no.	lbs	mean	no.	lbs	mean	no.	lbs	mean	no.	lbs	mean
Northeast Kodiak District																
OUTER CHINIAK BAY SECTION (259-21,25)		21	141	6.7	3,361	18,861	5.6	2,329	16,558	7.1	15,129	55,780	3.7	1,227	9,389	7.7
INNER CHINIAK BAY SECTION (259-23,24)		1	22	22.0	0	0	0.0	4,748	42,539	9.0	81	234	2.9	107	881	8.2
Subtotal		22	163	7.4	3,361	18,861	5.6	7,077	59,097	8.4	15,210	56,014	3.7	1,334	10,270	7.7
Mainland District																
OUTER KUKAK BAY SECTION (262-25,30)		0	0	0.0	34	173	5.1	370	3,199	8.6	1,638	5,852	3.6	5,295	42,480	8.0
INNER KUKAK BAY SECTION (262-27)		0	0	0.0	464	2,321	5.0	792	7,178	9.1	918	2,756	3.0	2,588	20,728	8.0
DAKAVAK (262-35,40,45,50,55)		247	4,064	16.5	20,990	132,711	6.3	9,936	77,421	7.8	38,897	115,368	3.0	10,222	82,674	8.1
KATMAI (262-60)		90	1,046	11.6	2,280	14,361	6.3	582	4,016	6.9	2,090	6,512	3.1	2,071	17,473	8.4
ALINCHAK (262-65,70)		109	1,392	12.8	14,145	85,606	6.1	2,215	15,829	7.1	117,119	380,829	3.3	79,476	637,638	8.0
CAPE IGVAK (262-75,80,90,95)		2,643	37,883	14.3	275,160	1,646,076	6.0	3,813	28,236	7.4	175,908	538,816	3.1	85,232	700,561	8.2
WIDE BAY (262-85)		1	25	25.0	95	651	6.9	43	327	7.6	61,768	161,434	2.6	23,561	190,991	8.1
Subtotal		3,090	44,410	14.4	313,168	1,881,899	6.0	17,751	136,206	7.7	398,338	1,211,567	3.0	208,445	1,692,545	8.1
GRAND TOTAL		23,827	330,896	13.9	2,659,267	14,739,143	5.5	407,978	3,183,920	7.8	19,567,163	67,365,333	3.4	1,053,730	8,598,710	8.2

Table 48. Estimated age composition of commercial sockeye salmon catches by sample area, Kodiak Management Area, 2001.

District	Catch Area	Dates	Sample Size	Ages																Total	
				0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	4.2	4.3	3.4	
Afognak District																					
Foul Bay THA	6/7-7/11	551	%	0.0	1.4	0.0	27.9	0.0	0.0	69.1	0.3	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	100	
			no.	0	399	0	7,933	0	0	19,616	84	0	0	374	0	0	0	0	0	28,406	
Waterfall THA	6/7-7/11	497	%	0.0	1.1	0.0	38.5	0.4	0.0	59.3	0.3	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	100	
			no.	0	131	0	4,652	46	0	7,173	34	0	34	15	0	0	0	0	0	12,085	
Malina Bay THA	6/7-9/12	163	%	0.0	2.5	0.0	22.7	1.8	0.0	41.1	14.1	0.6	0.0	16.6	0.6	0.0	0.0	0.0	0.0	100	
			no.	0	135	0	1,252	101	0	2,266	778	34	0	913	34	0	0	0	0	5,514	
Southwest Afognak	7/12-7/18	301	%	0.0	1.7	1.3	14.6	0.3	0.0	57.1	4.0	0.0	0.3	18.9	1.0	0.3	0.3	0.0	0.0	100	
			no.	0	224	179	1,973	45	0	7,713	538	0	45	2,556	135	45	45	0	0	13,498 *	
NW Kodiak District																					
Uganik-Viekoda Bays	6/7-9/12	5,313	%	0.0	0.1	0.7	8.3	0.2	0.0	27.9	19.9	0.0	0.3	32.3	7.8	0.1	2.2	0.1	0.0	100	
			no.	0	254	2,409	29,327	745	70	98,396	70,150	67	1,094	113,675	27,583	434	7,696	470	90	0	352,463
Uyak Bay	6/7-9/12	5,297	%	0.0	0.0	0.8	4.9	0.9	0.0	15.2	29.7	0.0	0.2	34.0	10.9	0.1	3.2	0.1	0.0	100	
			no.	100	169	3,291	20,867	3,714	0	65,128	126,750	52	835	145,439	46,647	294	13,726	231	0	0	427,241
Spiridon THA (Telrod Cove)	6/28-9/5	1,534	%	0.0	1.1	0.1	58.5	3.4	0.0	17.2	19.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	100	
			no.	0	674	51	34,921	2,022	28	10,300	11,334	0	7	391	0	7	0	0	0	59,733	
SW Kodiak District																					
Inner and Outer Karluk Section	6/7-7/11	956	%	0.0	0.3	0.8	1.6	3.6	0.1	11.0	31.8	0.2	0.0	32.2	13.7	0.5	3.8	0.3	0.0	100	
			no.	0	534	1,373	2,645	6,003	196	18,350	53,159	392	0	53,759	22,951	756	6,262	560	0	0	166,937 *
Halibut Bay Section	8/16-8/22	245	%	0.0	1.2	0.8	10.6	2.9	0.0	5.7	53.5	0.4	0.0	12.6	12.3	0.0	0.0	0.0	0.0	100	
			no.	0	51	34	442	119	0	238	2,225	17	0	526	510	0	0	0	0	4,161 *	
Inner and Outer Ayakulik	6/7-7/4	1,222	%	0.0	0.5	0.3	3.4	1.1	0.0	22.2	26.0	0.1	0.0	42.0	3.7	0.1	0.5	0.0	0.0	100	
			no.	0	1,886	1,219	13,006	4,363	0	85,299	99,870	278	0	161,301	14,297	278	1,827	0	0	0	383,622 *
Alitak Bay District																					
Cape Alitak Section	6/7-8/29	3,443	%	0.1	0.1	0.9	3.0	0.2	0.0	32.7	18.0	0.0	0.2	39.8	1.7	0.3	2.8	0.1	0.0	100	
			#	207	124	1,543	4,955	350	0	54,537	30,035	0	407	66,248	2,870	450	4,730	86	0	166,550	

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Table 48. (page 2 of 2)

District Catch Area	Dates	Sample Size	Ages																		Total
			0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	4.2	4.3	3.4		
Moser-Olga Bay Section	6/7-8/15	4,397	%	0.0	0.0	0.3	2.0	0.0	0.0	28.2	22.9	0.0	0.2	41.1	2.0	0.2	3.2	0.0	0.0	0.0	100
			no.	0	0	881	5,847	0	0	83,380	67,738	0	483	121,284	5,850	464	9,306	0	0	0	295,235
Eastside District																					
Sitkalidak Section	7/5-8/1	819	%	0.0	1.2	7.6	12.1	1.9	0.1	46.3	8.4	0.0	0.3	21.0	0.5	0.2	0.3	0.0	0.0	0.0	100
			no.	0	399	2,529	4,019	635	36	15,322	2,767	0	107	6,944	180	54	107	0	0	0	33,095 *
Mainland District																					
Cape Igvak Section	6/21-7/18	676	%	0.2	0.2	1.0	10.7	0.3	0.0	68.6	6.4	0.0	0.7	10.6	0.8	0.0	0.5	0.0	0.0	0.0	100
			no.	391	391	2,574	26,307	782	0	168,988	15,782	0	1,792	26,205	1,956	0	1,119	0	0	0	246,288 *
Katmai/Alinchak Bay Section	7/12-7/18	302	%	0.0	0.0	0.7	8.9	1.3	0.0	60.6	7.9	0.0	0.0	20.5	0.0	0.0	0.0	0.0	0.0	0.0	100
			no.	0	0	101	1,363	202	0	9,241	1,212	0	0	3,131	0	0	0	0	0	0	15,250 *
Total			%	0.0	0.2	0.7	7.2	0.9	0.0	29.2	21.8	0.0	0.2	31.8	5.6	0.1	2.0	0.1	0.0	0.0	100
			no.	698	5,371	16,184	159,509	19,127	330	645,947	482,456	840	4,804	702,761	123,013	2,782	44,818	1,347	90	0	2,210,078

* Age composition estimates are not necessarily representative of the entire season's harvest for that commercial fishing section (see individual section tables).

Table 49. Estimated age composition of Foul Bay terminal harvest area (251-41) sockeye salmon catch by week, 2001.

Week	Sample Size	Ages						Total	
		1.1	1.2	1.3	2.2	2.3			
24 6/07-6/13	374	Percent	0.3	21.9	76.4	0	1.4	100.0	
		Numbers	72	4,683	16,324	0	292	21,371	
25 6/14-6/20	141	Percent	2.9	45.7	49.3	0.4	1.7	100.0	
		Numbers	137	2,138	2,307	21	80	4,683	
26 6/21-6/27	36	Percent	8.1	47.3	41.9	2.7	0.1	100.0	
		Numbers	190	1,112	985	63	2	2,352	
Total		Percent	1.4	27.9	69.1	0.3	1.3	100.0	
		Numbers	399	7,933	19,616	84	374	28,406 ^a	

^a Age composition estimates represent harvest from week 24-26. The total Foul Bay THA harvest was 29,822 sockeye salmon.

Table 50. Length composition of Foul Bay terminal harvest area (251-41) sockeye salmon catch samples by age and sex, 2001.

	Ages					Total
	1.1	1.2	1.3	2.2	2.3	
Females						
Mean Length	363	473	538	0	545	515
SE	6	3	2	-	4	2
Range	349-378	420-568	448-590	0-0	533-552	349-590
Sample Size	4	98	208	0	4	314
Males						
Mean Length	365	474	554	513	531	529
SE	17	4	2	-	13	3
Range	338-395	398-559	435-609	513-513	511-569	338-609
Sample Size	3	66	163	1	4	237
All Fish						
Mean Length	364	473	545	513	538	521
SE	7	2	1	-	7	2
Range	338-395	398-568	435-609	513-513	511-569	338-609
Sample Size	7	164	371	1	8	551

Table 51. Estimated sex composition of Foul Bay terminal harvest area (251-41) sockeye salmon catch by week, 2001.

Week	Dates	Sample			Escapement			Number		
		Females	Males	Total	Percent		Females	Males	Total	
					Females	Males				
24	6/07-6/13	249	191	440	56.6	43.4	12,101	9,270	21,371	
25	6/14-6/20	92	68	160	58.2	41.8	2,726	1,957	4,683	
26	6/21-6/27	25	15	40	62.3	37.7	1,465	887	2,352	
					57.33573	42.66427				
Total		366	274	640	57.3	42.7	16,292	12,114	28,406	

^a Sex composition estimates represent harvest from week 24-26. The total Foul Bay THA harvest was 29,822 sockeye salmon.

Table 52. Estimated age composition of Waterfall Bay terminal harvest area (251-84) sockeye salmon catch by week, 2001.

Week	Sample Size		Ages						Total	
			1.1	1.2	2.1	1.3	2.2	1.4		
24 6/07-6/13	231	Percent	0.9	35.1	0.1	63.1	0.4	0.4	0 100.0	
		Numbers	81	3,067	9	5,518	34	34	3 8,746	
25 6/14-6/20	266	Percent	1.5	47.5	1.1	49.6	0	0	0.4 100.0	
		Numbers	50	1,585	37	1,655	0	0	12 3,340	
Total		Percent	1.1	38.5	0.4	59.3	0.3	0.3	0.1 100.0	
		Numbers	131	4,652	46	7,173	34	34	15 12,086 ^a	

^a Age composition estimates represent harvest from week 24-25. The total Waterfall Bay THA harvest was 16,023 sockeye salmon.

Table 53. Length composition of Waterfall Bay terminal harvest area (251-84) sockeye salmon catch samples by age and sex, 2001.

	Ages							
	1.1	1.2	1.3	1.4	2.1	2.2	2.3	Total
Females								
Mean Length	0	471	539	0	0	0	0	514
SE	-	3	2	-	-	-	-	3
Range	0-0	428-525	435-583	0-0	0-0	0-0	0-0	428-583
Sample Size	0	76	129	0	0	0	0	205
Males								
Mean Length	356	464	552	580	391	520	558	508
SE	8	3	2	-	5	-	-	3
Range	332-387	385-574	440-610	580-580	383-400	520-520	558-558	332-610
Sample Size	6	128	151	1	3	1	1	291
All Fish								
Mean Length	356	467	546	580	391	520	558	510
SE	8	2	2	-	5	-	-	2
Range	332-387	385-574	435-610	580-580	383-400	520-520	558-558	332-610
Sample Size	6	205	280	1	3	1	1	497

Table 54. Estimated sex composition of Waterfall Bay terminal harvest area (251-84) sockeye salmon catch by week, 2001.

Week	Dates	Sample			Escapement			Number		
		Females	Males	Total	Percent		Females	Males	Total	
					Females	Males				
24	6/07-6/13	121	169	290	41.8	58.2	3,654	5,092	8,746	
25	6/14-6/20	135	184	319	42.3	57.7	1,413	1,927	3,340	
Total		256	353	609	42	58.0	5,067	7,019	12,086 ^a	

^a Sex composition estimates represent harvest from week 24-25. The total Waterfall Bay THA harvest was 16,023 sockeye salmon.

Table 55. Estimated age composition of Malina Bay (251-10, 20) commercial sockeye salmon catch by week, 2001.

Week	Sample Size		Ages								Total
			1.1	1.2	2.1	1.3	2.2	3.1	2.3	3.2	
24 6/07-6/13	163	Percent	2.5	22.7	1.8	41.1	14.1	0.6	16.6	0.6	100
		Numbers	135	1,252	101	2,266	778	34	913	34	5,514
Total	163	Percent	2.5	22.7	1.8	41.1	14.1	0.6	16.6	0.6	100
		Numbers	135	1,252	101	2,266	778	34	913	34	5,514 ^a

^a Age composition estimates represent harvest from week 24. The total Malina Bay harvest was 35,416 sockeye salmon.

Table 56. Length composition of Malina Bay (251-10, 20) commercial sockeye salmon catch samples by age and sex, 2001.

	Ages								
	1.1	1.2	1.3	2.1	2.2	2.3	3.1	3.2	Total
Females									
Mean Length	0	438	525	0	450	521	0	0	498
SE	-	8	3	-	12	5	-	-	5
Range	0-0	385-510	465-565	0-0	400-490	490-555	0-0	0-0	385-565
Sample Size	0	16	37	0	7	14	0	0	74
Males									
Mean Length	330	455	545	375	486	552	335	475	496
SE	13	9	4	13	9	8	-	-	7
Range	295-350	405-555	480-590	355-400	395-535	505-600	335-335	475-475	295-600
Sample Size	4	21	30	3	16	13	1	1	89
All Fish									
Mean Length	330	448	534	375	475	536	335	475	497
SE	13	6	3	13	8	5	-	-	5
Range	295-350	385-555	465-590	355-400	395-535	490-600	335-335	475-475	295-600
Sample Size	4	37	67	3	23	27	1	1	163

Table 57. Estimated sex composition of Malina Bay (251-10, 20) commercial sockeye salmon catch by week. 2001.

Week	Dates	Sample			Escapement					
		Females	Males	Total	Percent		Number			
					Females	Males	Females	Males	Total	
24	6/07-6/13	94	111	205	45.8	54.2	2,528	2,986	5,514	
Total		94	111	205	45.8	54.2	0	2,528	2,986	5,514 ^a

^a Sex composition estimates represent harvest from week 24. The total Malina Bay harvest was 35,416 sockeye salmon.

Table 58. Estimated age composition of Uganik-Viekoda Bays (253-11, 12, 13, 14, 31, 32, 33, 35) commercial sockeye salmon catch, 2001.

Week	Sample Size	Ages															Total	
		1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	4.2	4.3		
24 6/07-6/13	514	Percent	0.0	0.2	3.2	0.0	0.0	20.4	30.7	0.0	0.2	31.9	10.1	0.3	2.7	0.2	0.0	100.0
		Numbers	0	38	767	0	0	4,898	7,377	10	37	7,668	2,436	75	657	56	0	24,019
25 6/14-6/20	501	Percent	0.0	0.6	8.4	0.0	0.0	31.1	17.4	0.1	0.1	34.8	4.8	0.1	2.2	0.3	0.0	100.0
		Numbers	0	232	2,991	18	0	11,143	6,238	53	26	12,453	1,702	33	781	120	0	35,789
26 6/21-6/27	506	Percent	0.0	0.9	5.8	0.6	0.0	26.5	19.1	0.0	0.4	38.3	6.1	0.2	2.1	0.1	0.0	100.0
		Numbers	0	283	1,858	185	0	8,467	6,108	4	134	12,254	1,945	60	672	31	0	32,000
27 6/28-7/04	492	Percent	0.0	1.0	5.8	0.0	0.0	42.3	9.2	0.0	0.3	36.6	2.2	0.2	2.2	0.1	0.1	100.0
		Numbers	0	362	2,163	0	0	15,704	3,410	0	106	13,571	834	76	803	46	30	37,104
28 7/05-7/11	488	Percent	0.0	1.7	8.3	0.0	0.0	56.0	4.9	0.0	0.4	25.7	1.1	0.2	1.5	0.0	0.2	100.0
		Numbers	0	578	2,873	0	0	19,477	1,709	0	151	8,922	381	71	538	1	59	34,762
29 7/12-7/18	491	Percent	0.0	0.8	19.6	0.0	0.0	33.8	9.5	0.0	0.5	31.3	1.7	0.2	2.6	0.0	0.0	100.0
		Numbers	0	249	6,374	0	10	10,982	3,093	0	178	10,180	536	56	830	10	1	32,500
30 7/19-7/25	485	Percent	0.0	0.6	18.6	0.0	0.2	19.8	20.0	0.0	0.3	31.8	3.5	0.0	4.9	0.2	0.0	100.0
		Numbers	12	218	6,573	0	60	7,009	7,079	0	121	11,240	1,239	12	1,733	72	0	35,368
31 7/26-8/01	508	Percent	0.2	1.3	7.5	0.0	0.0	39.9	11.9	0.0	0.9	34.1	2.1	0.2	1.7	0.2	0.0	100.0
		Numbers	41	330	1,849	8	0	9,859	2,929	0	222	8,437	515	41	419	57	0	24,708
32 8/02-8/08	477	Percent	0.1	0.4	5.1	0.2	0.0	23.2	21.5	0.0	0.5	39.3	7.9	0.0	1.5	0.3	0.0	100.0
		Numbers	14	86	1,079	33	0	4,898	4,533	0	112	8,290	1,670	10	318	70	0	21,113
33 8/09-8/15	479	Percent	0.2	0.2	3.6	0.3	0.0	14.6	27.5	0.0	0.0	40.3	10.7	0.0	2.6	0.0	0.0	100.0
		Numbers	33	29	627	46	0	2,521	4,744	0	7	6,951	1,842	0	442	7	0	17,250

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Week	Sample Size	Ages															Total		
		1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	4.2	4.3			
34 8/16-8/22	372	Percent	0.3	0.0	3.7	0.7	0.0	7.9	36.8	0.0	0.0	27.6	21.7	0.0	1.3	0.0	0.0	100.0	
		Numbers	19	4	279	50	0	596	2,765	0	0	2,070	1,626	0	98	0	0	7,506	
35 8/23-8/29	0	Percent	0.3	0.0	3.8	0.8	0.0	5.6	40.1	0.0	0.0	23.1	25.5	0.0	0.8	0.0	0.0	100.0	
		Numbers	34	0	477	102	0	716	5,078	0	0	2,931	3,238	0	102	0	0	12,678	
36 8/30-9/05	0	Percent	0.3	0.0	3.8	0.8	0.0	5.6	40.1	0.0	0.0	23.1	25.5	0.0	0.8	0.0	0.0	100.0	
		Numbers	58	0	814	174	0	1,221	8,664	0	0	5,001	5,524	0	174	0	0	21,631	
37 9/06-9/12	0	Percent	0.3	0.0	3.8	0.8	0.0	5.6	40.1	0.0	0.0	23.1	25.5	0.0	0.8	0.0	0.0	100.0	
		Numbers	43	0	603	129	0	905	6,423	0	0	3,707	4,095	0	129	0	0	16,035	
Total		Percent	0.1	0.7	8.3	0.2	0.0	27.9	19.9	0.0	0.3	32.3	7.8	0.1	2.2	0.1	0.0	100.0	
		Numbers	254	2,409	29,327	745	70	98,396	70,150	67	1,094	113,675	27,583	434	7,696	470	90	352,463	

Table 59. Estimated age composition of Uyak Bay (254-10, 20, 30, 40) commercial sockeye salmon catch, 2001.

Week	Sample Size		Ages														Total
			0.2	1.1	0.3	1.2	2.1	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	4.2	
24 6/07-6/13	488	Percent	0.1	0.0	1.0	1.6	0.1	28.4	18.7	0.0	0.1	37.1	7.0	0.1	5.7	0.1	100.0
		Numbers	20	0	330	540	20	9,588	6,333	0	50	12,544	2,378	20	1,928	50	33,802
25 6/14-6/20	471	Percent	0.2	0.0	0.9	1.5	0.2	18.5	24.5	0.0	0.1	40.9	7.2	0.2	5.9	0.1	100.0
		Numbers	73	0	433	726	82	8,761	11,613	0	30	19,406	3,422	73	2,806	27	47,452
26 6/21-6/27	480	Percent	0.0	0.0	1.6	2.2	0.5	22.1	23.0	0.0	0.4	38.3	8.1	0.0	3.6	0.2	100.0
		Numbers	7	0	646	903	220	9,131	9,471	0	151	15,803	3,344	16	1,490	71	41,251
27 6/28-7/04	0	Percent	0.0	0.0	2.3	4.5	0.3	26.8	18.1	0.0	0.3	38.7	5.2	0.1	3.6	0.1	100.0
		Numbers	0	0	578	1,137	79	6,843	4,612	0	81	9,862	1,333	28	928	26	25,507
28 7/05-7/11	457	Percent	0.0	0.0	2.9	6.6	0.1	30.6	13.7	0.0	0.2	39.4	2.4	0.2	3.9	0.0	100.0
		Numbers	0	0	600	1,374	14	6,372	2,853	0	50	8,193	489	40	805	5	20,796
29 7/12-7/18	450	Percent	0.0	0.0	1.4	10.4	0.0	29.0	15.0	0.0	1.3	37.9	1.7	0.0	3.1	0.0	100.0
		Numbers	0	0	434	3,141	0	8,722	4,519	0	399	11,398	522	11	923	0	30,068
30 7/19-7/25	516	Percent	0.0	0.0	0.6	21.4	0.0	16.5	21.3	0.0	0.1	33.9	3.5	0.3	2.3	0.0	100.0
		Numbers	0	0	154	5,669	0	4,358	5,624	0	20	8,978	935	91	617	0	26,446
31 7/26-8/01	489	Percent	0.0	0.0	0.2	6.5	0.0	8.4	24.5	0.0	0.0	48.3	7.6	0.0	4.4	0.0	100.0
		Numbers	0	0	87	2,264	0	2,948	8,613	0	0	16,951	2,676	15	1,548	0	35,103
32 8/02-8/08	459	Percent	0.0	0.0	0.1	6.0	0.0	10.6	26.4	0.0	0.1	45.3	8.1	0.0	3.4	0.0	100.0
		Numbers	0	0	29	2,167	0	3,831	9,530	0	46	16,348	2,941	0	1,230	0	36,121
33 8/09-8/15	515	Percent	0.0	0.0	0.0	4.5	0.1	8.3	35.6	0.0	0.0	39.7	10.6	0.0	1.3	0.0	100.0
		Numbers	0	0	0	849	12	1,576	6,778	2	8	7,562	2,016	0	243	2	19,050
34 8/16-8/22	480	Percent	0.0	0.0	0.0	0.8	0.9	2.8	45.8	0.2	0.0	24.8	23.9	0.0	0.7	0.2	100.0
		Numbers	0	0	0	241	249	804	13,093	50	0	7,086	6,844	0	195	50	28,611

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Week	Sample Size	Ages														Total		
		0.2	1.1	0.3	1.2	2.1	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	4.2			
35 8/23-8/29	492	Percent	0.0	0.2	0.0	2.2	3.7	2.6	52.6	0.0	0.0	13.6	23.8	0.0	1.2	0.0	100.0	
		Numbers	0	58	0	634	1,038	750	14,935	0	0	3,864	6,747	0	346	0	28,371	
36 8/30-9/05	0	Percent	0.0	0.2	0.0	2.2	3.7	2.6	52.6	0.0	0.0	13.6	23.8	0.0	1.2	0.0	100.0	
		Numbers	0	91	0	997	1,631	1,178	23,471	0	0	6,072	10,603	0	544	0	44,585	
37 9/06-9/12	0	Percent	0.0	0.2	0.0	2.2	3.7	2.6	52.6	0.0	0.0	13.6	23.8	0.0	1.2	0.0	100.0	
		Numbers	0	20	0	225	369	266	5,305	0	0	1,372	2,397	0	123	0	10,078	
Total		Percent	0.0	0.0	0.8	4.9	0.9	15.2	29.7	0.0	0.2	34.0	10.9	0.1	3.2	0.1	100.0	
		Numbers	100	169	3,291	20,867	3,714	65,128	126,750	52	835	145,439	46,647	294	13,726	231	427,241	

Table 60. Age composition of Hook Point sockeye salmon catch samples by day, 2001.

Dates		Ages						Total
		0.3	1.2	1.3	2.1	2.2	2.3	
7/23/01	Numbers	0	70	20	0	19	2	111
	Percent	0	63	18	0	17	2	100
8/1/01	Numbers	0	38	26	1	32	8	105
	Percent	0	36	25	1	30	8	100
8/14/01	Numbers	1	19	19	0	28	2	69
	Percent	1	28	28	0	41	3	100
Total	Numbers	1	127	65	1	79	12	285
	Percent	0	45	23	0	28	4	100

Table 61. Estimated age composition of Spiridon Lake (Telrod Cove) sockeye salmon terminal harvest by week, 2001.

Week	Sample Size	Ages											Total
		1.1	0.3	1.2	2.1	0.4	1.3	2.2	1.4	2.3	2.4		
27 6/28-7/04	61	Percent	4.0	0.0	75.9	3.6	0.0	13.5	1.4	0.1	0.1	1.3	100.0
		Numbers	17	0	311	15	0	55	6	0	1	5	409
28 7/05-7/11	292	Percent	6.0	0.0	78.8	4.1	0.1	9.1	1.0	0.2	0.6	0.1	100.0
		Numbers	99	0	1,298	68	2	150	16	4	10	2	1,648
29 7/12-7/18	212	Percent	3.3	0.0	81.4	1.6	0.4	10.0	2.8	0.1	0.5	0.0	100.0
		Numbers	196	0	4,824	95	21	592	164	3	29	0	5,926
30 7/19-7/25	327	Percent	0.8	0.0	78.6	1.1	0.0	11.7	7.4	0.0	0.3	0.0	100.0
		Numbers	76	0	7,876	113	5	1,177	745	0	29	0	10,021
31 7/26-8/01	146	Percent	0.3	0.1	58.1	1.5	0.0	23.7	16.1	0.0	0.1	0.0	100.0
		Numbers	26	9	4,499	118	0	1,833	1,249	0	9	0	7,742
32 8/02-8/08	213	Percent	1.2	0.4	55.3	3.7	0.0	19.1	19.7	0.0	0.6	0.0	100.0
		Numbers	134	40	6,082	410	0	2,094	2,163	0	71	0	10,994
33 8/09-8/15	204	Percent	0.9	0.0	42.0	3.0	0.0	19.1	33.3	0.0	1.7	0.0	100.0
		Numbers	121	2	5,594	397	0	2,539	4,433	0	231	0	13,317
34 8/16-8/22	69	Percent	0.1	0.0	48.0	3.9	0.0	18.9	28.9	0.0	0.2	0.0	100.0
		Numbers	5	0	3,030	249	0	1,196	1,825	0	11	0	6,316
35 8/23-8/29	10	Percent	0.0	0.0	42.9	14.7	0.0	19.6	22.8	0.0	0.0	0.0	100.0
		Numbers	0	0	933	320	0	427	496	0	0	0	2,175
36 8/30-9/05	0	Percent	0.0	0.0	40.0	20.0	0.0	20.0	20.0	0.0	0.0	0.0	100.0
		Numbers	0	0	474	237	0	237	237	0	0	0	1,185
Total	1,534	Percent	1.1	0.1	58.5	3.4	0.0	17.2	19.0	0.0	0.7	0.0	100.0
		Numbers	674	51	34,921	2,022	28	10,300	11,334	7	391	7	59,733

Table 62. Length composition of Spiridon Lake (Telrod Cove) sockeye salmon terminal harvest samples by age and sex, 2001.

	Ages										
	0.3	0.4	1.1	1.2	1.3	1.4	2.1	2.2	2.3	2.4	Total
Females											
Mean Length	590	0	354	508	582	595	397	555	565	530	520
SE	-	-	5	1	2	-	8	2	14	-	2
Range	590-590	0-0	320-402	448-610	473-644	595-595	341-434	495-607	525-584	530-530	320-644
Sample Size	1	0	18	573	123	1	15	102	4	1	838
Males											
Mean Length	0	580	368	530	601	0	415	578	593	0	537
SE	-	-	7	1	3	-	4	3	21	-	2
Range	0-0	580-580	323-424	410-610	505-661	0-0	375-455	481-627	514-631	0-0	323-661
Sample Size	0	1	18	469	94	0	28	80	5	0	695
All Fish											
Mean Length	590	580	361	518	590	595	409	566	580	530	528
SE	-	-	4	1	2	-	4	2	13	-	1
Range	590-590	580-580	320-424	410-610	473-661	595-595	341-455	481-627	514-631	530-530	320-661
Sample Size	1	1	36	1,042	217	1	43	182	9	1	1,533

Table 63. Estimated sex composition of Spiridon Lake (Telrod Cove) sockeye salmon terminal harvest by week, 2001.

Week	Dates	Sample			Escapement				Total	
					Percent		Number			
		Females	Males	Total	Females	Males	Females	Males		
27	6/28-7/04	24	46	70	36.2	63.8	148	261	409	
28	7/05-7/11	139	181	320	42.7	57.3	703	945	1,648	
29	7/12-7/18	102	138	240	43.8	56.2	2,595	3,331	5,926	
30	7/19-7/25	203	157	360	56.1	43.9	5,617	4,404	10,021	
31	7/26-8/01	104	56	160	64.6	35.4	5,002	2,740	7,742	
32	8/02-8/08	152	88	240	63.3	36.7	6,959	4,035	10,994	
33	8/09-8/15	149	91	240	62.9	37.1	8,383	4,934	13,317	
34	8/16-8/22	57	23	80	71.0	29.0	4,484	1,832	6,316	
35	8/23-8/29	8	2	10	77.3	22.7	1,681	494	2,175	
36	8/30-9/05	0	0	0	80.0	20.0	948	237	1,185	
Total		938	782	1,720	61.1	38.9	36,520	23,213	59,733	

Table 64. Estimated age composition of Inner and Outer Karluk Sections (255-10, 20) commercial sockeye salmon catch, weeks 24-28, 2001.

Week	Sample Size		Ages												Total	
			1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	2.3	3.2	2.4	3.3	4.2	
24 6/07-6/13	0	Percent	0.0	0.9	0.6	3.1	0.0	10.9	32.2	0.0	31.9	15.0	0.6	4.1	0.6	100.0
		Numbers	0	193	129	643	0	2,251	6,625	0	6,561	3,087	129	836	129	20,582
25 6/14-6/20	320	Percent	0.1	0.9	0.6	3.3	0.0	10.7	32.3	0.1	32.0	14.9	0.6	4.0	0.5	100.0
		Numbers	77	723	507	2,651	38	8,685	26,238	77	25,946	12,059	469	3,220	431	81,120
26 6/21-6/27	319	Percent	0.7	0.7	1.4	4.1	0.3	10.0	32.6	0.6	32.6	13.4	0.3	3.4	0.0	100.0
		Numbers	300	300	646	1,890	134	4,622	15,012	268	15,028	6,192	134	1,580	0	46,106
27 6/28-7/04	0	Percent	0.8	0.8	6.1	4.3	0.2	13.8	28.5	0.3	32.5	9.3	0.2	3.3	0.0	100.0
		Numbers	120	120	931	644	23	2,094	4,316	46	4,934	1,408	23	500	0	15,159
28 7/05-7/11	317	Percent	0.9	0.9	10.9	4.4	0.0	17.6	24.4	0.0	32.5	5.2	0.0	3.2	0.0	100.0
		Numbers	37	37	432	175	1	698	968	1	1,290	205	1	126	0	3,970
Total	956	Percent	0.3	0.8	1.6	3.6	0.1	11.0	31.8	0.2	32.2	13.7	0.5	3.8	0.3	100.0
		Numbers	534	1,373	2,645	6,003	196	18,350	53,159	392	53,759	22,951	756	6,262	560	166,937 ^a

^a Age composition estimates represent harvest from weeks 24-28. The total Inner and Outer Karluk Sections harvest was 207,020 sockeye salmon.

Table 65. Estimated age composition of Halibut Bay Section (256-25, 30) commercial sockeye salmon catch, week 34, 2001.

Week	Sample Size	Ages									Total	
		1.1	0.3	1.2	2.1	1.3	2.2	3.1	2.3	3.2		
34 8/16-8/22	245	Percent	1.2	0.8	10.6	2.9	5.7	53.5	0.4	12.7	12.2	100.0
		Numbers	51	34	442	119	238	2,225	17	526	510	4,161
Total	245	Percent	1.2	0.8	10.6	2.9	5.7	53.5	0.4	12.6	12.3	100.0
		Numbers	51	34	442	119	238	2,225	17	526	510	4,161 ^a

^a Age composition estimates represent harvest from week 34. The total Halibut Bay Section harvest was 77,227 sockeye salmon.

Table 66. Estimated age composition of Inner and Outer Ayakulik Sections (256-10, 15, 20) commercial sockeye salmon catch, through week 27, 2001.

Week	Sample Size	Ages											Total		
		1.1	0.3	1.2	2.1	1.3	2.2	3.1	2.3	3.2	2.4	3.3			
24 6/07-6/13	296	Percent	0.9	0.3	2.5	1.0	11.0	34.0	0.0	46.8	3.4	0.0	0.1	100.0	
		Numbers	863	239	2,352	920	10,309	31,920	0	43,899	3,219	0	74	93,794	
25 6/14-6/20	314	Percent	0.6	0.0	2.5	1.7	13.5	31.4	0.0	44.1	5.8	0.0	0.4	100.0	
		Numbers	556	20	2,380	1,658	13,067	30,418	43	42,719	5,651	43	420	96,975	
26 6/21-6/27	306	Percent	0.2	0.1	4.6	1.2	27.5	20.2	0.2	41.5	3.3	0.2	1.0	100.0	
		Numbers	168	64	4,690	1,188	27,876	20,509	235	42,130	3,336	235	1,034	101,465	
27 6/28-7/04	306	Percent	0.3	1.0	3.9	0.7	37.3	18.6	0.0	35.6	2.3	0.0	0.3	100.0	
		Numbers	299	896	3,584	597	34,047	17,023	0	32,553	2,091	0	299	91,388	
Total		Percent	0.5	0.3	3.4	1.1	22.2	26.0	0.1	42.0	3.7	0.1	0.5	100.0	
		Numbers	1,886	1,219	13,006	4,363	85,299	99,870	278	161,301	14,297	278	1,827	383,622 ^a	

^a Age composition estimates represent harvest through week 27. The total Inner and Outer Ayakulik Sections harvest was 387,966 sockeye salmon.

Table 67. Estimated age composition of Cape Alitak Section (257-10, 20, 50, 60, 70) commercial sockeye salmon catch by week, 2001.

Week	Sample Size	Ages														Total
		0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	3.2	2.4	3.3	4.2		
24 6/07-6/13	0 Percent Numbers	0.4 21	0.0 0	0.6 31	0.8 41	0.4 21	28.0 1,464	16.0 835	0.0 0	47.3 2,475	2.6 134	0.0 0	3.9 206	0.0 0	100.0 5,228	
25 6/14-6/20	507 Percent Numbers	0.3 118	0.0 0	0.6 217	0.8 296	0.4 138	28.4 9,910	15.4 5,385	0.0 0	47.6 16,620	2.6 908	0.0 0	3.8 1,321	0.0 0	100.0 34,914	
26 6/21-6/27	248 Percent Numbers	0.1 17	0.0 2	0.7 105	1.2 175	0.4 54	29.8 4,340	13.3 1,937	0.0 0	48.5 7,055	2.7 390	0.0 4	3.2 468	0.0 0	100.0 14,548	
27 6/28-7/04	442 Percent Numbers	0.0 0	0.2 61	0.7 236	3.1 1,033	0.0 14	31.6 10,577	13.0 4,351	0.1 24	45.5 15,230	1.7 567	0.5 159	3.7 1,239	0.0 12	100.0 33,505	
28 7/05-7/11	483 Percent Numbers	0.0 1	0.1 16	1.5 473	3.7 1,145	0.2 48	37.5 11,578	11.1 3,440	0.3 101	40.4 12,461	1.2 370	0.6 177	3.2 998	0.2 48	100.0 30,857	
29 7/12-7/18	479 Percent Numbers	0.2 47	0.0 2	1.5 417	4.2 1,162	0.0 9	46.9 12,992	13.2 3,661	0.8 212	30.9 8,570	0.6 152	0.3 78	1.4 383	0.0 11	100.0 27,697	
30 7/19-7/25	470 Percent Numbers	0.0 3	0.3 27	0.6 48	6.4 504	0.1 7	31.2 2,449	29.9 2,348	0.8 62	27.5 2,163	1.6 128	0.4 28	1.0 79	0.2 13	100.0 7,859	
31 7/26-8/01	0 Percent Numbers	0.0 0	0.3 3	0.3 3	6.2 48	0.9 7	15.1 118	57.1 445	0.3 2	17.1 133	1.8 14	0.2 1	0.6 4	0.1 1	100.0 778	
32 8/02-8/08	352 Percent Numbers	0.0 0	0.3 12	0.3 12	5.9 228	1.2 45	10.7 414	65.8 2,545	0.1 6	13.4 520	1.7 67	0.1 3	0.4 16	0.0 1	100.0 3,869	
33 8/09-8/15	462 Percent Numbers	0.0 0	0.0 1	0.0 1	4.5 195	0.2 7	9.4 408	69.9 3,037	0.0 0	13.8 599	1.9 83	0.0 0	0.2 10	0.0 0	100.0 4,343	
34 8/16-8/22	0 Percent Numbers	0.0 0	0.0 0	0.0 0	4.3 127	0.0 0	9.7 286	69.5 2,041	0.0 0	14.3 420	1.9 57	0.0 0	0.2 6	0.0 0	100.0 2,937	
35 8/23-8/29	0 Percent Numbers	0.0 0	0.0 0	0.0 0	4.3 1	0.0 0	9.7 1	69.5 10	0.0 0	14.3 2	1.9 0	0.0 0	0.2 0	0.0 0	100.00 15	
Total	3,443 Percent Numbers	0.1 207	0.1 124	0.9 1,543	3.0 4,955	0.2 350	32.7 54,537	18.0 30,035	0.2 407	39.8 66,248	1.7 2,870	0.3 450	2.8 4,730	0.1 86	100.0 166,550	

Table 68. Estimated age composition of Moser-Olga Bay Section (257-40, 41) commercial sockeye salmon catch by week, 2001.

Week	Sample Size	Ages										Total
		0.3	1.2	1.3	2.2	1.4	2.3	3.2	2.4	3.3		
24 6/07-6/13	489	Percent	0.0	0.8	31.1	14.0	0.0	48.4	2.9	0.0	2.6	100.0
		Numbers	6	222	8,203	3,700	0	12,767	760	6	689	26,353
25 6/14-6/20	491	Percent	0.3	1.1	26.5	16.4	0.1	48.4	3.1	0.2	3.9	100.0
		Numbers	155	682	15,831	9,806	63	28,945	1,857	92	2,321	59,753
26 6/21-6/27	458	Percent	0.3	1.3	31.4	15.8	0.3	44.5	2.4	0.1	3.9	100.0
		Numbers	126	626	14,920	7,498	122	21,154	1,157	40	1,856	47,499
27 6/28-7/04	490	Percent	0.1	2.3	33.2	15.1	0.1	44.1	1.1	0.1	3.8	100.0
		Numbers	59	1,052	14,865	6,763	59	19,752	491	63	1,695	44,799
28 7/05-7/11	475	Percent	0.5	4.8	33.6	13.3	0.4	42.7	1.2	0.1	3.4	100.0
		Numbers	208	1,979	13,986	5,548	170	17,760	502	61	1,413	41,625
29 7/12-7/18	480	Percent	0.7	3.1	31.6	17.6	0.3	42.3	1.2	0.5	2.7	100.0
		Numbers	146	615	6,204	3,464	64	8,303	231	96	522	19,645
30 7/19-7/25	483	Percent	0.4	1.7	26.1	32.5	0.0	35.4	1.5	0.1	2.3	100.0
		Numbers	87	351	5,555	6,920	5	7,548	318	12	497	21,294
31 7/26-8/01	527	Percent	0.2	0.8	12.7	68.2	0.0	16.0	0.8	0.2	1.1	100.0
		Numbers	37	142	2,268	12,208	0	2,860	139	37	195	17,887
32 8/02-8/08	0	Percent	0.2	0.9	11.8	69.3	0.0	15.3	1.2	0.2	1.0	100.0
		Numbers	13	46	625	3,674	0	810	65	13	52	5,299
33 8/09-8/15	504	Percent	0.4	1.2	8.3	73.6	0.0	12.5	3.0	0.4	0.6	100.0
		Numbers	44	132	923	8,157	0	1,385	330	44	66	11,081
Total	4,397	Percent	0.3	2.0	28.2	22.9	0.2	41.1	2.0	0.2	3.2	100.0
		Numbers	881	5,847	83,380	67,738	483	121,284	5,850	464	9,306	295,235

Table 69. Age composition of Alitak Bay (Chip Cove) test fishery sockeye salmon catch samples by week, 2001.

Week	Dates		Ages								Total		
			0.3	1.2	1.3	1.4	2.2	2.3	2.4	3.2			
22	5/24-5/30	Numbers	0	0	38	0	9	36	0	1	2	86	
		Percent	0.0	0.0	44.0	0.0	10.0	42.0	0.0	1.0	2.0	100	
23	5/31-6/06	Numbers	1	1	119	0	41	103	0	2	7	274	
		Percent	0.0	0.0	43.0	0.0	15.0	38.0	0.0	1.0	3.0	100	
24	6/07-6/13	Numbers	0	4	176	0	54	155	0	1	4	394	
		Percent	0.0	1.0	45.0	0.0	14.0	39.0	0.0	0.0	1.0	100	
25	6/14-6/20	Numbers	1	3	51	0	25	57	1	1	0	139	
		Percent	1.0	2.0	37.0	0.0	18.0	41.0	1.0	1.0	0.0	100	
26	6/21-6/27	Numbers	0	3	57	1	18	78	0	2	0	159	
		Percent	0.0	2.0	36.0	1.0	11.0	49.0	0.0	1.0	0.0	100	
27	6/28-7/04	Numbers	0	2	25	0	10	35	0	0	1	73	
		Percent	0.0	3.0	34.0	0.0	14.0	48.0	0.0	0.0	1.0	100	
28	7/05-7/11	Numbers	0	0	0	0	2	2	0	0	0	4	
		Percent	0.0	0.0	0.0	0.0	50.0	50.0	0.0	0.0	0.0	100	
29	7/12-7/18	Numbers	0	3	45	0	13	54	0	0	0	115	
		Percent	0.0	3.0	39.0	0.0	11.0	47.0	0.0	0.0	0.0	100	
30	7/19-7/25	Numbers	0	0	27	0	17	32	0	0	0	76	
		Percent	0.0	0.0	36.0	0.0	22.0	42.0	0.0	0.0	0.0	100	
31	7/26-8/01	Numbers	0	1	34	0	48	23	0	0	0	106	
		Percent	0.0	1.0	32.0	0.0	45.0	22.0	0.0	0.0	0.0	100	
Total		Numbers	2	17	572	1	237	575	1	7	14	1,426	
		Percent	0.0	1.0	40.0	0.0	17.0	40.0	0.0	0.0	1.0	100	

Table 70. Estimated age composition of Sitkalidak Section (258-10, 20, 30, 40, 51, 52, 53) commercial sockeye salmon catch, weeks 28-31, 2001.

Week	Sample Size		Ages											Total	
			1.1	0.3	1.2	2.1	0.4	1.3	2.2	1.4	2.3	3.2	2.4	3.3	
28 7/05-7/11	305	Percent	0.4	14.7	6.8	0.5	0.3	53.6	5.7	0.1	17.8	0.1	0.1	0.1	100.0
		Numbers	46	1,883	874	66	35	6,856	723	13	2,274	7	7	13	12,795
29 7/12-7/18	326	Percent	1.9	3.3	15.0	2.9	0.0	43.3	8.8	0.5	22.9	0.6	0.3	0.5	100.0
		Numbers	338	572	2,627	510	1	7,578	1,541	94	4,019	99	47	94	17,518
30 7/19-7/25	188	Percent	0.5	2.7	18.6	2.1	0.0	31.9	18.1	0.0	23.4	2.7	0.0	0.0	100.0
		Numbers	14	68	479	55	0	821	465	0	602	68	0	0	2,572
31 7/26-8/01	0	Percent	0.5	2.7	18.6	2.1	0.0	31.9	18.1	0.0	23.4	2.7	0.0	0.0	100.0
		Numbers	1	6	39	4	0	67	38	0	49	6	0	0	210
Total	819	Percent	1.2	7.6	12.1	1.9	0.1	46.3	8.4	0.3	21.0	0.5	0.2	0.3	100.0
		Numbers	399	2,529	4,019	635	36	15,322	2,767	107	6,944	180	54	107	33,095 ^a

^a Age composition estimates represent harvest from week 28-31. The total Sitkalidak Section harvest was 61,750 sockeye salmon.

Table 71. Estimated age composition of Cape Igvak Section (262-75, 80, 90, 95) commercial sockeye salmon catch, weeks 26 and 28, 2001.

Week	Sample Size	Ages											Total		
		0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	3.2	3.3			
26 6/21-6/27	344	Percent	0.2	0.2	1.1	10.9	0.5	68.4	6.8	0.6	9.3	1.2	0.5	100.0	
		Numbers	391	391	1,773	17,229	782	107,848	10,709	991	14,725	1,956	852	157,648	
28 7/05-7/11	332	Percent	0.0	0.0	0.9	10.2	0.0	69.0	5.7	0.9	13.0	0.0	0.3	100.0	
		Numbers	0	0	801	9,078	0	61,140	5,073	801	11,480	0	267	88,640	
Total		Percent	0.2	0.2	1.0	10.7	0.3	68.6	6.4	0.7	10.6	0.8	0.5	100.0	
		Numbers	391	391	2,574	26,307	782	168,988	15,782	1,792	26,205	1,956	1,119	246,288 ^a	

^a Age composition estimates represent harvest from week 26 and 28. The total Cape Igvak Section harvest was 275,160 sockeye salmon.

Table 72. Estimated age composition of Katmai and Alinchak Bay Sections (262-60, 65, 70) commercial sockeye salmon catch, week 29, 2001.

Week	Sample Size	Ages						Total	
		0.3	1.2	2.1	1.3	2.2	2.3		
29 7/12-7/18	302	Percent	0.7	8.9	1.3	60.6	7.9	20.5	100.0
		Numbers	101	1,363	202	9,241	1,212	3,131	15,250
Total	302	Percent	0.7	8.9	1.3	60.6	7.9	20.5	100.0
		Numbers	101	1,363	202	9,241	1,212	3,131	15,250 ^a

^a Age composition estimates represent harvest from week 29. The total Katmai and Alinchak Bay Sections harvest was 16,425 sockeye salmon.

Table 73. Estimated age composition of Southwest Afognak Section (251-10, 20) commercial sockeye salmon catch, week 29, 2001.

Week	Sample Size	Ages										Total	
		1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	3.2	2.4		
29 7/12-7/18	301	Percent	1.7	1.3	14.6	0.3	57.1	4.0	0.3	18.9	1.0	0.3	100.0
		Numbers	224	179	1,973	45	7,713	538	45	2,556	135	45	13,498 ^a
Total	301	Percent	1.7	1.3	14.6	0.3	57.1	4.0	0.3	18.9	1.0	0.3	100.0
		Numbers	224	179	1,973	45	7,713	538	45	2,556	135	45	13,498

^a Age composition estimates represent harvest from week 29. The total Southwest Afognak Section harvest was 74,397 sockeye salmon.

Table 74. Spiridon Lake sockeye salmon estimated catch by area and estimated total run by age class, 2001.

Week	Sample Size	Ages										Total
		1.1	0.3	1.2	2.1	0.4	1.3	2.2	1.4	2.3	2.4	
<i>Estimated Spiridon Catch by Area</i>												
SLTHA	1,534											
	Percent	1.1	0.1	58.5	3.4	0.0	17.2	19.0	0.0	0.7	0.0	100.0
	Numbers	674	51	34921	2,022	28	10,300	11,334	7	391	7	59,733
<i>SW Afognak Section and NW Kodiak District</i>												
	Percent ^a	1.1	0.1	58.5	3.4	0.0	17.2	19.0	0.0	0.7	0.0	100.0
	Numbers ^b	988	75	51,190	2,964	41	15,099	16,614	10	573	10	87,562
Total Run	Percent	1.1	0.1	58.5	3.4	0.0	17.2	19.0	0.0	0.7	0.0	100.0
	Numbers	1,534	1,662	86,111	4,986	69	25,399	27,948	17	964	17	147,295

^a Age composition based on samples collected at SLTHA.

^b Average proportion of Spiridon harvest occurring in the SLTHA (41%) was used to calculate the number of Spiridon sockeye salmon harvested in the SW Afognak Section and NW Kodiak District combined.

Table 75. Karluk Lake early-run sockeye salmon estimated catch by area, escapement, and estimated total run by age class, 2001.

Sample Size		Ages												Total		
		0.3	1.1	1.2	1.3	2.1	2.2	2.3	2.4	3.1	3.2	3.3	3.4			
<i>Estimated Karluk Early-Run Catch by Area</i>																
Uyak (254-10 - 254-40) ^a																
1,896	Percent	0.3	0.0	0.7	0.4	0.0	36.4	42.5	0.1	0.0	11.1	8.4	0.0	0.2	100.0	
	Numbers	307	0	656	370	0	36,564	42,683	98	0	11,173	8,488	0	179	100,518	
Uganik (253-11 - 253-35) ^a																
2,992	Percent	0.3	0.0	0.6	0.3	0.3	41.3	38.8	0.1	0.1	12.0	5.9	0.0	0.3	100.0	
	Numbers	173	0	370	208	203	25,562	24,035	55	67	7,419	3,652	0	181	61,924	
Inner and Outer Karluk Sections ^b																
956	Percent	0.3	0.1	0.7	0.4	1.4	37.6	38.1	0.1	0.3	16.3	4.4	0.0	0.3	100.0	
	Numbers	456	100	975	550	1,994	53,159	53,759	146	392	22,951	6,262	0	477	141,221	
Sturgeon Section																
no catch during 2001																
Total Catch	5,844	Percent	0.3	0.0	0.7	0.4	0.7	38.0	39.7	0.1	0.2	13.7	6.1	0.0	0.3	100.0
		Numbers	936	100	2,001	1,129	2,197	115,285	120,477	299	459	41,543	18,402	0	837	303,664
<i>Karluk Early-Run Escapement</i>																
1,259	Percent	0.3	0.1	0.6	0.3	2.8	40.9	37.0	0.1	0.6	12.4	4.6	0.1	0.3	100.0	
	Numbers	902	474	1,929	1,088	9,499	138,562	125,457	288	1,867	42,016	15,485	288	944	338,799	
Total Run	7,103	Percent	0.3	0.1	0.6	0.3	1.8	39.5	38.3	0.1	0.4	13.0	5.3	0.0	0.3	100
	Numbers	1,838	574	3,930	2,217	11,696	253,847	245,934	587	2,326	83,559	33,887	288	1,781	642,463	

^aUyak and Uganik catches were apportioned to Karluk using an age 3.x marker.

^bInner and Outer Karluk catch samples were used to represent catches during weeks 24 through 28.

Table 76. Karluk Lake early-run sockeye salmon brood table showing estimated returns from parent escapements by age class.

Brood Year	Escap.	Ages															Total Return/ Return Spawner				
		0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	4.1	2.4	3.3	4.2	3.4	4.3	4.4	
1976	204,037																		0		
1977	185,312																		0		
1978	248,741																		0		
1979	212,872																		0		
1980	132,396							0	11,635	193,760	4,085	0	103,899	60,395	0	0	37,689	0	0	0	
1981	97,937		0	8,558	18,604		0	3,735	278,831	1,672	0	117,158	38,129	0	272	22,433	0	0	0	0	
1982	122,705	0	1,244	841	4,650	5,466	0	21,058	197,293	4,169	0	93,560	37,079	0	0	20,728	0	0	0	320	
1983	215,620	0	143	564	8,159	7,032	0	14,244	149,947	1,728	0	183,829	33,945	0	337	14,082	0	0	0	414,009	
1984	288,422	0	0	0	4,090	8,393	0	5,830	97,537	738	0	94,258	30,589	0	908	19,634	0	0	0	261,977	
1985	316,688	0	0	24	4,258	2,842	0	3,969	72,857	3,010	0	88,599	57,934	0	1,955	40,331	0	38	30	0	275,847
1986	358,756	24	0	337	6,152	2,201	346	6,443	87,691	4,031	94	129,381	131,218	0	479	61,223	1,508	235	113	0	431,475
1987	354,094	427	0	1,456	958	2,884	0	8,503	114,504	19,876	416	44,051	337,905	0	285	60,244	2,309	690	1,969	0	596,477
1988	296,510	0	0	0	8,383	6,297	0	9,708	84,322	13,770	0	37,096	202,729	0	320	70,357	231	39	2,906	0	436,159
1989	349,753	0	1,621	0	8,492	7,624	0	13,979	104,564	5,517	0	167,751	101,296	0	1	69,709	5,362	0	1,713	0	487,630
1990	196,197	0	181	0	18,149	2,780	0	50,649	79,156	6,586	652	146,751	97,063	0	269	70,863	760	0	0	0	473,858
1991	243,069	0	1,224	1,062	26,661	12,015	0	83,430	326,422	7,087	0	127,809	81,364	809	107	12,113	2,476	0	247	0	682,826
1992	217,152	0	2,669	4	9,627	9,642	0	13,159	52,730	14,935	0	42,891	58,375	0	769	36,603	0	79	0	0	241,483
1993	261,169	2	1,534	350	3,309	18,252	0	7,718	226,377	2,275	0	128,158	35,029	0	1,752	42,563	437	288	0		
1994	260,771	0	1,017	0	8,956	7,266	0	41,179	294,780	1,857	427	182,133	54,148	0	587	33,887	1,781				
1995	238,079	0	218	0	23,268	13,106	0	33,004	231,809	3,463	0	245,934	83,559	0							
1996	250,357	0	0	0	2,063	5,959	0	2,217	253,847	2,326											
1997	252,859	0	0	1,838	3,930	11,696															
1998	252,298	0	574																		
1999	392,419																				
2000	291,351																				
2001	338,799																				

10 year average (1983-1992): 430,174 1.6

Table 77. Karluk Lake late-run sockeye salmon estimated catch by area, escapement, and estimated total run by age class, 2001.

Sample Size	Ages												Total	
	1.1	1.2	1.3	2.1	2.2	2.3	2.4	3.1	3.2	3.3	4.2			
<i>Estimated Karluk Late-Run Catch by Area</i>														
<i>Uyak (254-10 - 254-40)^a</i>														
3,401	Percent	0.0	0.2	0.1	0.2	36.8	40.5	0.1	0.0	19.3	2.9	0.0	100.0	
	Numbers	3	352	112	403	67,707	74,459	106	52	35,454	5,325	52	184,025	
<i>Uganik (253-11 - 253-35)^a</i>														
2,321	Percent	0.0	0.2	0.1	0.0	34.0	45.1	0.1	0.0	16.7	3.8	0.1	100.0	
	Numbers	0	219	70	0	42,088	55,740	63	0	20,679	4,670	150	123,679	
<i>Inner and Outer Karluk Sections^b</i>														
	Percent	0.0	0.2	0.1	0.0	32.1	48.2	0.1	0.0	13.5	5.8	0.1	100.0	
	Numbers	0	67	21	0	12,850	19,332	28	0	5,420	2,320	46	40,083	
<i>Sturgeon Section</i>														
no catch during 2001														
Total Catch	5,722	Percent	0.0	0.2	0.1	0.1	35.3	43.0	0.1	0.0	17.7	3.5	0.1	100.0
		Numbers	3	638	203	403	122,645	149,531	197	52	61,553	12,315	248	347,788
<i>Karluk Late-Run Escapement</i>														
1,258	Percent	0.0	0.2	0.1	4.1	30.6	46.0	0.1	0.5	12.9	5.5	0.1	100.0	
	Numbers	133	835	266	21,418	160,426	241,349	354	2,765	67,663	28,959	573	524,739	
Total Run ^b	6,980	Percent	0.0	0.2	0.1	2.5	32.4	44.8	0.1	0.3	14.8	4.7	0.1	100.0
		Numbers	136	1,473	469	21,821	283,071	390,880	551	2,817	129,216	41,274	821	872,527

^aUyak and Uganik catches were apportioned to Karluk using an age 3.x marker.

^b Karluk late-run escapement age composition samples (with age x.1 fish excluded) were used to represent catch .

^c Rows and columns may not add exactly due to rounding.

Table 78. Karluk Lake late-run sockeye salmon brood table showing estimated returns from parent escapements by age class.

Brood Year	Escap.	Ages														Total Return	Return/ Spawner		
		0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	4.2	3.4	4.3
1976	319,459																		
1977	366,936																0	0	
1978	112,194																0	0	
1979	248,908																0	0	
1980	14,227								0	446	596,053	4,476	0	156,074	177,587	1,190	25,537	0	0
1981	124,769								0	5,158	13,129	0	0	402,872	2,521	0	187,293	49,557	0
1982	41,702	0	0	0	0	0	1,261	0	5,239	290,631	606	0	110,997	34,711	0	19,631	0	0	
1983	220,795	0	0	0	4,079	4,160	12,830	0	480	241,803	1,268	31	213,452	42,156	2,070	47,370	0	0	
1984	131,846	0	885	0	0	445	6,246	0	30,516	424,123	0	937	303,542	271,018	471	71,764	651	0	
1985	679,260	169	0	0	1,084	30,165	212	189	60,235	784,914	494	595	493,743	421,972	462	43,998	0	42	
1986	528,415	0	893	0	15,519	39,109	978	105	57,974	835,214	1,162	0	114,862	655,219	563	60,240	325	147	
1987	412,157	106	5,976	201	17,067	24,703	1,737	0	550	226,552	2,373	0	23,389	320,723	79	54,451	1,600	0	
1988	282,306	0	2,531	111	2,424	4,649	1,512	0	3,127	189,196	7,249	0	71,078	212,649	0	16,740	0	9	
1989	758,893	0	3,555	799	3,717	5,909	12,607	0	3,302	308,439	6,233	0	151,212	214,110	0	12,030	950	0	
1990	541,891	0	3,591	971	6,292	16,995	3,241	0	10,310	447,371	1,085	18	52,479	80,226	591	62,392	1,095	0	
1991	831,970	0	7,113	340	2,879	16,292	3,023	0	8,568	340,535	4,731	52	191,311	85,334	952	13,107	659	111	
1992	614,262	0	1,567	1,923	0	3,880	6,759	0	12,234	57,188	5,043	0	76,196	138,987	513	28,379	0	0	
1993	396,288	0	0	1,501	2,860	3,550	17,168	0	11,541	412,758	1,362	36	202,913	75,591	0	23,523	0	0	
1994	587,258	0	0	198	1,192	24,718	4,323	0	17,261	616,350	1,008	0	159,094	109,890	551	41,274	821		
1995	504,977	0	1,156	0	3,219	48,766	8,685	0	1,839	353,857	5,252	0	390,880	129,216					
1996	323,969	0	540	633	0	2,970	108	0	469	283,071	2,817								
1997	311,902	0	0	407	0	1,473	21,821												
1998	384,848	0	0	136															
1999	589,119	0																	
2000	445,393																		
2001	524,739																		

10 year average (1984-1993): 909,365 2.3

Table 79. Red Lake (Ayakulik River) sockeye salmon, estimated catch by area, escapement, and estimated total run by age class, 2001.

Sample Size	Ages												Total		
	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	2.3	3.2	2.4	3.3			
<i>Estimated Ayakulik (Red Lake) Catch by Area</i>															
Inner and Outer Ayakulik Sections															
90% of catch	1,222	Percent	0.5	0.3	3.4	1.1	0.0	22.4	26.0	0.1	42.0	3.7	0.1	0.5	100.0
		Numbers	1,710	1,135	11,858	3,953	0	78,225	90,611	250	146,563	12,956	250	1,657	349,169
Halibut Bay catch assigned to Ayakulik														100.0	
30% of catch through 31 July		Percent	1.2	1.6	1.1	0.4	0.1	6.8	45.0	0.0	40.3	3.3	0.0	0.0	100.0
		Numbers	217	296	193	79	27	1,245	8,265	9	7,402	607	9	4	18,350
Total Estimated Ayakulik Catch														100.0	
	1,222	Percent	0.5	0.4	3.3	1.1	0.0	21.6	26.9	0.1	41.9	3.7	0.1	0.5	100.0
		Numbers	1,927	1,431	12,051	4,031	27	79,470	98,876	259	153,965	13,563	259	1,661	367,520
<i>Ayakulik (Red Lake) Escapement</i>														100.0	
	2,265	Percent	1.2	1.5	1.1	0.6	0.1	6.6	45.4	0.0	39.4	3.9	0.1	0.0	100.0
		Numbers	2,627	3,379	2,396	1,364	305	14,381	99,285	105	86,329	8,505	142	76	218,892
Total Run														100.0	
	3,487	Percent	0.8	0.8	2.5	0.9	0.1	16.0	33.8	0.1	41.0	3.8	0.1	0.3	100.0
		Numbers	4,554	4,810	14,447	5,395	332	93,851	198,161	364	240,294	22,068	401	1,737	586,414

Table 80. Red Lake (Ayakulik River) sockeye salmon brood table showing estimated returns from parent escapements by age class.

Brood Year	Escap.	Ages												Total Return	Return/ Spawner			
		0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4		
1963	63,563										0	58,667	6,268	0	0	0		
1964	36,342										0	5,705	3,375	0	0	0		
1965	76,456		0	158	3,470	0		0	33,522	0	0	13,150	5,534	0	0	0		
1966	66,057	0	315	0	1,173	16,622	0	3,285	57,850	0	0	51,109	7,031	0	0	0	137,384	2.1
1967	227,089	0	1,772	0	24,013	3,338	0	16,469	78,834	0	0	23,976	0	0	0	0	148,402	0.7
1968	220,850	0	83	0	4,199	2,825	0	34,463	89,549	0	0	123,053	8,493	0	0	0	262,665	1.2
1969	71,160	0	0	0	4,756	3,703	0	3,704	78,972	0	0	13,734	652	0	0	0	105,523	1.5
1970	33,863	0	0	0	1,084	6,325	0	2,052	17,543	0	0	9,152	3,274	0	0	0	39,429	1.2
1971	109,174	0	3,251	0	35,919	18,925	0	26,505	184,053	0	0	16,736	3,364	0	0	0	288,753	2.6
1972	113,733	0	5,080	0	121,160	6,723	0	99,681	260,325	0	0	71,225	0	0	0	0	564,194	5.0
1973	119,993	0	986	1,395	79,993	7,548	0	82,532	110,906	0	0	45,469	1,393	0	0	0	330,221	2.8
1974	181,631	0	3,364	0	46,281	0	0	45,109	129,000	0	0	221,923	3,892	0	0	0	449,570	2.5
1975	94,517	0	0	1,393	10,982	14,989	0	30,950	308,251	0	0	96,141	858	0	0	0	463,563	4.9
1976	219,047	0	5,835	3,855	405,330	8,408	0	164,495	187,009	0	0	61,395	0	0	0	0	836,328	3.8
1977	306,982	0	0	0	5,060	3,431	0	18,656	170,721	0	0	85,541	3,940	0	0	0	287,349	0.9
1978	132,864	0	0	0	1,556	15,799	0	14,937	45,081	0	0	42,151	2,747	0	0	0	122,273	0.9
1979	222,270	0	3,625	441	16,345	18,352	0	40,958	131,539	0	0	41,815	1,438	0	0	0	254,511	1.1
1980	774,328	0	11,780	13,347	402,761	24,781	0	232,583	305,083	0	0	159,440	2,762	0	0	0	1,152,537	1.5
1981	279,200	0	17,149	0	310,784	7,450	0	230,889	328,622	0	0	168,527	28,564	0	0	0	1,091,984	3.9
1982	169,678	0	6,857	7,500	1,626	2,596	0	16,351	123,667	0	0	77,129	4,751	0	0	0	240,476	1.4
1983	171,415	0	548	1,171	20,198	15,116	0	72,231	168,055	0	0	104,765	0	0	0	0	382,085	2.2
1984	283,215	0	7,779	3,311	138,185	78,899	0	72,319	197,026	0	0	103,450	3,347	0	0	0	604,316	2.1
1985	388,759	0	61,345	3,903	365,489	18,971	0	589,731	513,314	0	0	229,750	4,276	0	0	0	1,786,779	4.6
1986	318,135	0	4,480	38,326	571,371	6,489	0	506,463	365,644	0	0	231,471	5,967	0	0	0	1,730,211	5.4
1987	261,913	0	12,991	15,380	173,341	13,602	0	103,512	317,142	0	0	341,728	32,807	0	5,063	0	1,015,566	3.9
1988	291,774	0	2,822	3,351	81,584	2,832	0	62,159	126,124	0	0	27,783	10,655	0	8,225	0	325,535	1.1
1989	768,101	0	2,571	5,565	26,297	29,189	0	18,318	310,379	0	0	254,557	59,553	0	46,238	0	752,667	1.0
1990	371,282	0	1,028	8,047	3,618	14,638	0	59,035	295,167	0	0	202,600	16,202	0	102	38	600,475	1.6
1991	384,859	640	22,371	17,118	145,925	36,123	0	393,249	482,187	0	19	158,923	5,779	64	2,796	0	1,265,194	3.3
1992	344,184	4,591	2,578	9,900	65,889	24,694	205	10,135	200,817	2,188	2,685	230,460	19,788	1,983	6,010	112	582,035	1.7
1993	286,170	0	3,093	3,678	2,504	16,283	400	176,539	409,718	516	8,075	138,504	7,591	344	5,426	0	772,671	2.7
1994	380,181	465	42,711	7,275	555,246	35,908	17,036	338,728	344,937	546	79	102,628	7,224	401	1,737			
1995	317,832	0	4,711	4,707	101,292	18,181	516	53,759	227,822	3,186	0	240,294	22,068					
1996	337,155	269	1,770	17,050	16,902	8,589	332	93,851	198,161	364								
1997	308,214	5	1,250	4,810	14,447	5,395												
1998	427,208	0	4,554															
1999	295,717																	
2000	208,651																	
2001	218,892																	

10 year average (1984-1993): 943,545 2.7

Table 81. Frazer Lake (Dog Salmon Creek) sockeye salmon estimated catch by area, escapement, and estimated total run by age class, 2001.

Sample Size	Ages										Total
	1.1	1.2	2.1	1.3	2.2	3.1	2.3	3.2	4.1	2.4	
<i>Estimated Catch by Area</i>											
Cape Alitak Section											
Percent	0.1	3.1	0.1	23.7	8.5	0.0	56.6	2.8	0.0	0.1	4.9 100.0
Numbers	95	2,512	84	19,049	6,799	0	45,410	2,269	0	72	3,928 80,218
Moser-Olga Bay Section											
Percent	0.0	2.6	0.0	19.9	7.7	0.0	61.0	3.2	0.0	0.1	5.6 100.0
Numbers	0	4,216	0	31,794	12,263	0	97,361	5,070	0	99	8,915 159,718
Total Estimated Frazer Catch											
Percent	0.0	2.8	0.0	21.2	7.9	0.0	59.5	3.1	0.0	0.1	5.4 100.0
Numbers	95	6,728	84	50,843	19,061	0	142,771	7,339	0	171	12,843 239,937
<i>Dog Salmon Escapement</i>											
Percent	0.2	1.0	1.0	18.9	8.4	0.0	66.4	2.4	0.0	0.0	1.8 100.0
Numbers	272	1,599	1,555	30,834	13,725	26	108,585	3,945	9	16	2,890 163,455
Total Run											
Percent	0.1	2.1	0.4	20.2	8.1	0.0	62.3	2.8	0.0	0.0	3.9 100.0
Numbers	367	8,327	1,639	81,677	32,786	26	251,356	11,284	9	187	15,733 403,391

Table 82. Frazer Lake (Dog Salmon Creek) sockeye salmon brood table showing estimated returns from parent escapements by age class.

Brood Year	Escap.	Ages												Total Return	Return/Spawner		
		0.2	1.1	0.3	1.2	2.1	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3			
1962	3,090													0	385		
1963	11,857													0	0		
1964	9,966						0	16,173	204	0	4,009	589	0	0	66		
1965	9,074		0	0	1,291	475	12,518	0	0	0	2,571	66	0	0			
1966	16,456	0	0	0	11,820	1,732	7,580	16,149	0	0	2,629	0	0	0	39,910	2.4	
1967	21,834	0	1,118	0	38,626	395	38,395	11,553	0	0	5,114	0	0	0	95,202	4.4	
1968	16,738	0	461	0	15,565	899	15,228	14,998	0	0	10,757	0	0	0	57,910	3.5	
1969	14,041	0	138	0	14,654	5,229	9,306	30,137	0	0	6,007	0	0	512	65,984	4.7	
1970	24,039	0	2,241	0	17,672	16,989	1,687	51,299	0	0	9,351	3,074	0	1,691	104,005	4.3	
1971	55,366	0	512	0	1,417	6,345	769	92,226	0	0	20,151	0	0	0	121,419	2.2	
1972	66,419	0	742	0	10,888	11,016	8,032	91,876	0	0	71,167	345	0	0	194,066	2.9	
1973	56,255	0	256	0	2,677	5,637	4,825	31,706	345	0	15,969	0	0	0	61,415	1.1	
1974	82,609	0	10,850	0	53,591	9,305	28,713	75,084	154	461	30,407	461	0	0	209,026	2.5	
1975	64,199	0	1,034	0	22,571	8,906	20,732	173,687	0	0	72,701	0	0	0	299,631	4.7	
1976	119,321	0	2,150	0	223,444	8,753	73,677	257,625	0	0	143,383	0	0	0	393	709,424	5.9
1977	139,548	0	2,764	0	73,189	2,928	92,211	107,917	0	0	146,064	393	0	0	425,466	3.0	
1978	141,981	0	7,807	0	162,130	507	24,148	22,970	0	0	16,844	0	0	638	235,043	1.7	
1979	126,742	0	507	0	1,374	982	2,965	24,323	0	0	26,791	0	0	2,165	59,106	0.5	
1980	405,535	0	0	0	6,064	16,305	7,654	589,393	0	0	141,065	684	46	52	761,264	1.9	
1981	377,716	0	876	0	12,120	0	2,455	7,748	0	172	5,239	0	0	862	29,471	0.1	
1982	430,423	0	1,276	0	23,647	431	28,624	3,735	24	754	10,870	10,812	0	0	80,172	0.2	
1983	158,340	0	10	26	8,935	9,729	13,438	380,531	1,604	0	586,833	0	0	0	36,986	1,038,092	6.6
1984	53,524	0	1,001	0	5,771	33,628	7,437	386,832	0	0	67,142	2,046	0	0	503,856	9.4	
1985	485,835	0	192	0	16,502	4,399	49,290	53,978	151	0	22,578	9,032	1,595	2,694	160,412	0.3	
1986	126,529	1,393	67,475	0	727,658	40,794	230,893	972,290	0	0	168,815	9,129	0	8,584	2,227,031	17.6	
1987	40,544	0	1,787	1,851	3,019	26,596	3,902	187,581	0	0	159,822	104	156	882	385,701	9.5	
1988	246,704	0	1,886	0	21,073	7,793	30,096	210,586	133	0	64,565	20,510	16	7,994	364,652	1.5	
1989	360,373	0	16,191	208	327,929	12,847	153,078	373,277	5,752	0	300,182	145,325	0	40,754	1,375,543	3.8	
1990	226,707	0	1,096	0	18,217	12,986	33,393	400,750	1,678	0	210,744	15,341	455	9,340	704,000	3.1	
1991	190,358	0	621	0	2,031	57,463	1,728	330,834	302	0	105,361	630	0	0	498,970	2.6	
1992	185,825	0	3,545	0	20,513	78,168	27,471	211,959	4,666	0	185,148	18,141	0	2,209	551,819	3.0	
1993	178,391	0	2,529	45	12,677	41,759	56,178	291,218	4,831	0	64,155	17,867	256	5,830	497,344	2.8	
1994	206,071	0	2,056	0	23,034	17,688	39,741	112,849	1,048	0	77,546	15,427	187	15,733	305,309	1.5	
1995	196,323	0	10,106	0	59,574	39,574	77,223	152,287	1,251	0	251,356	11,284					
1996	198,695	0	20,062	0	41,983	22,276	81,667	32,786	26								
1997	205,264	0	626	0	8,327	1,639											
1998	233,755	0	367														
1999	216,565																
2000	158,044																
2001	154,349																

10 year average (1985-1994): 707,078 4.6

Table 83. Olga Lakes (Upper Station) early-run sockeye salmon estimated catch by area, escapement, and estimated total run by age class, 2001.

Sample Size	Ages									Total	
	1.1	1.2	2.1	1.3	2.2	3.1	1.4	2.3	3.2		
<i>Estimated Catch by Area</i>											
Cape Alitak Section											
Percent	0.0	0.8	0.7	56.3	30.4	0.0	0.4	10.9	0.4	100.0	
Numbers	1	188	167	12,945	6,992	0	98	2,507	84	22,983	
Moser-Olga Bay Section											
Percent	0.0	0.9	0.0	52.8	31.5	0.0	0.6	13.6	0.5	100.0	
Numbers	0	602	0	36,397	21,728	0	393	9,382	367	68,870	
Total Estimated Upper Station Early-Run Catch											
Percent	0.0	0.9	0.2	53.7	31.3	0.0	0.5	12.9	0.5	100.0	
Numbers	1	791	167	49,342	28,720	0	491	11,890	451	91,853	
<i>Upper Station Early-Run Escapement</i>											
Percent	0.0	0.3	3.4	47.6	34.8	0.0	0.0	13.5	0.4	100.0	
Numbers	5	187	2,272	31,814	23,215	4	1	9,048	249	66,795	
Total Run											
Percent	0.0	0.6	1.5	51.2	32.7	0.0	0.3	13.2	0.4	100.0	
Numbers	6	978	2,439	81,156	51,935	4	492	20,938	700	158,648	

Table 84. Olga Lakes (Upper Station) early-run sockeye salmon brood table showing estimated returns from parent escapements by age class.

Brood Year	Escap.	Ages														Total Return	Return/Spawner	
		0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	3.3	2.4		
1969	22,509	0	317	0	1,406	3,094	281	263	9,979	11,554	0	62	3,516	62	0	0	30,534	1.4
1970	16,168	0	375	188	788	2,889	263	0	1,850	3,269	0	0	1,469	367	0	0	11,458	0.7
1971	32,529	0	0	0	185	1,234	370	0	5,876	15,976	0	0	2,263	0	0	0	25,904	0.8
1972	39,613	0	185	62	1,102	5,693	184	0	3,482	18,977	0	0	8,603	574	208	0	39,070	1.0
1973	26,892	0	0	0	174	522	696	0	3,728	41,006	0	208	7,289	0	0	133	53,756	2.0
1974	35,319	0	0	522	0	26,382	0	0	16,660	38,317	0	0	11,720	133	0	0	93,734	2.7
1975	10,325	0	0	0	0	1,458	208	0	6,393	14,783	0	0	8,738	485	0	0	32,065	3.1
1976	28,567	0	0	0	133	9,722	0	0	10,438	47,090	0	0	27,139	0	0	0	94,522	3.3
1977	26,380	0	0	0	0	32,041	243	0	48,850	94,081	0	0	35,526	634	0	0	211,375	8.0
1978	66,157	0	243	243	1,809	28,948	0	0	32,354	70,735	0	0	19,660	0	37	0	154,029	2.3
1979	53,115	0	0	0	0	4,124	0	0	17,554	65,300	0	46	14,870	38	142	0	102,074	1.9
1980	37,866	0	317	0	2,341	11,937	0	0	4,000	7,165	38	0	7,259	0	25	0	33,082	0.9
1981	77,042	0	0	0	542	2,832	1,498	0	4,370	85,872	0	43	23,861	0	0	0	119,018	1.5
1982	170,610	0	2,472	234	1,006	113,439	781	0	75,684	37,220	0	360	18,131	70	0	0	249,398	1.5
1983	115,890	0	285	1,220	1,181	5,491	1,205	0	11,396	87,555	0	0	41,723	217	0	0	150,273	1.3
1984	96,798	0	109	0	3,443	2,118	66	0	1,792	46,879	0	0	14,103	113	60	0	68,683	0.7
1985	27,408	0	1,476	4	2,865	2,314	22,466	0	6,714	86,949	0	0	42,895	633	64	0	166,380	6.1
1986	100,812	0	35	5,680	449	51,361	936	0	36,048	83,179	60	18	8,248	340	408	0	186,763	1.9
1987	74,747	0	2,134	46	1,022	2,027	3,849	0	726	30,417	27	0	25,242	779	57	0	66,326	0.9
1988	56,724	0	17	0	71	82	852	0	1,607	35,640	210	206	7,282	1,072	0	0	47,038	0.8
1989	64,582	0	450	404	5,823	8,751	6,313	0	5,539	67,810	0	0	34,127	0	0	0	129,217	2.0
1990	56,159	0	1,497	578	0	6,275	3,414	0	19,145	82,269	0	0	6,839	361	6	0	120,384	2.1
1991	50,026	0	407	3,258	20,467	46,391	6,815	0	57,478	131,931	0	0	27,274	0	0	0	294,021	5.9
1992	19,076	52	2,338	223	5,878	5,959	3,583	0	3,435	24,099	0	0	7,268	0	0	0	52,835	2.8
1993	34,852	219	669	605	2,423	5,189	2,741	0	11,812	31,749	0	0	5,168	1,229	0	62	61,866	1.8
1994	37,645	0	229	994	4,887	53,607	1,320	0	7,176	33,104	0	0	17,361	570	0	0	119,248	3.2
1995	41,492	0	185	2,467	5,857	33,691	1,497	360	44,415	44,608	0	492	20,938	689				
1996	58,686	0	79	177	2,723	30,487	1,973	0	81,164	51,987	4							
1997	47,655	0	422	45	0	972	2,438											
1998	30,713	0	0	6														
1999	36,521	0																
2000	55,761																	
2001	66,795																	

10 year average (1985-1994): 124,408

2.7

Table 85. Olga Lakes (Upper Station) late-run sockeye salmon estimated catch by area, escapement, and estimated total run by age class, 2001.

Sample Size	Ages										Total	
	1.1	0.3	1.2	2.1	1.3	2.2	3.1	1.4	2.3	3.2		
<i>Estimated Catch by Area</i>												
Cape Alitak Section												
Percent	0.1	1.6	4.7	0.2	21.6	56.5	0.0	1.1	14.1	0.2	100.0	
Numbers	13	333	953	36	4,392	11,505	0	227	2,861	41	20,361	
Moser-Olga Bay Section												
Percent	0.0	0.5	1.0	0.0	10.6	76.5	0.0	0.0	10.8	0.6	100	
Numbers	0	219	415	0	4,250	30,804	0	0	4,331	228	40,247	
Total Estimated Upper Station Late Run Catch												
Percent	0.0	0.9	2.3	0.1	14.3	69.8	0.0	0.4	11.9	0.4	100	
Numbers	13	552	1,369	36	8,642	42,309	0	227	7,191	269	60,607	
<i>Upper Station Late Run Escapement</i>												
Percent	0.1	0.5	2.0	15.9	9.2	62.6	0.2	0.0	9.5	0.1	100	
Numbers	77	364	1,463	11,864	6,836	46,567	121	27	7,039	50	74,408	
Total Run												
Percent	0.1	0.7	2.1	8.8	11.5	65.8	0.1	0.2	10.5	0.2	100	
Numbers	90	916	2,832	11,900	15,478	88,876	121	254	14,230	319	135,015	

Table 86. Olga Lakes (Upper Station) late-run sockeye salmon brood table showing estimated returns from parent escapements by age class.

Brood Year	Escap.	Ages														Total Return	Return/ Spawner	
		0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	3.3	2.4		
1970	36,833	0	675	12,594	9,969	81,964	4,431	0	9,161	30,644	632	0	6,171	1,424	0	0	157,663	4.3
1971	95,150	450	5,538	21,045	632	10,109	1,895	0	16,613	40,346	0	0	8,105	901	0	0	105,635	1.1
1972	68,351	3,323	10,425	11,689	17,563	39,397	3,797	0	8,105	58,539	0	0	4,027	0	0	0	156,866	2.3
1973	67,826	1,580	1,424	2,373	1,801	10,807	2,702	0	6,041	77,528	0	0	7,926	0	0	0	112,182	1.7
1974	251,234	0	0	23,416	0	107,734	1,007	0	22,645	294,387	0	0	7,680	7,040	0	0	463,908	1.8
1975	74,456	901	3,021	0	0	61,142	1,132	0	36,479	76,157	0	0	5,228	0	0	0	184,060	2.5
1976	48,650	0	10,190	0	36,479	38,399	2,560	0	11,501	141,154	0	0	10,336	940	0	0	251,559	5.2
1977	49,001	0	640	0	3,137	52,279	1,046	0	66,714	312,897	0	0	9,732	0	0	0	446,444	9.1
1978	38,126	0	82,601	1,046	90,205	134,367	4,698	0	55,146	217,342	0	0	26,755	2,638	0	0	614,798	16.1
1979	134,579	0	31,947	0	63,256	71,366	0	0	103,020	339,950	0	736	10,850	360	280	0	621,765	4.6
1980	77,718	0	124,890	0	56,178	35,951	2,131	0	21,758	55,472	399	0	16,555	965	223	0	314,522	4.0
1981	118,900	0	1,294	0	17,853	157,249	12,280	1,007	149,158	345,506	0	0	14,809	0	0	879	700,035	5.9
1982	306,161	0	644,017	5,129	324,600	364,312	5,029	117	92,824	231,963	0	0	5,168	2,042	0	0	1,675,201	5.5
1983	179,741	4,867	182,514	0	135,177	23,242	1,682	0	53,195	92,799	0	0	30,036	0	1,488	0	525,000	2.9
1984	239,608	3,012	37,733	528	89,721	187,451	5,064	0	21,543	224,033	0	0	23,712	4,642	0	0	597,438	2.5
1985	408,409	2,313	562,757	1,958	309,775	34,924	12,374	0	40,759	179,839	0	578	45,289	6,140	0	0	1,196,706	2.9
1986	367,922	1,449	72,415	1,953	94,380	291,815	5,610	678	116,039	451,917	0	0	17,721	1,579	1,289	6	1,056,851	2.9
1987	156,274	0	68,016	495	113,821	12,899	127	0	17,053	104,995	0	225	27,470	15,072	39	0	360,212	2.3
1988	247,647	0	9,222	216	27,793	76,583	1,000	0	71,330	80,102	177	133	4,037	1,244	0	0	271,836	1.1
1989	221,706	401	169,158	1,125	85,530	83,807	12,864	142	53,928	184,067	308	0	21,693	0	0	0	613,023	2.8
1990	198,287	1,432	56,992	3,904	115,907	27,747	7,728	444	17,591	237,284	0	0	4,315	0	67	0	473,411	2.4
1991	242,860	6,744	51,810	4,858	163,283	73,541	6,484	160	44,507	712,676	31	0	20,546	0	0	0	1,084,640	4.5
1992	199,067	4,913	61,018	1,108	15,733	58,923	12,611	79	6,302	279,349	0	0	7,189	156	192	26	447,599	2.2
1993	187,229	5,186	46,015	5,688	114,817	35,842	45,256	444	10,769	199,820	191	278	27,883	5,350	0	0	497,539	2.7
1994	221,675	1,417	10,206	6,322	23,167	90,488	17,439	44	25,603	293,322	80	0	6,069	968	0	0	475,125	2.1
1995	203,659	233	3,020	3,340	3,349	179,562	24,492	0	13,017	251,855	0	254	14,264	307				
1996	235,727	277	1,972	6,536	1,335	35,606	4,057	0	15,478	88,856	121							
1997	230,793	0	347	0	916	2,842	11,901											
1998	171,214	0	0	89														
1999	210,016	0																
2000	176,783																	
2001	74,408																	

10 year average (1984-1993): 647,694 2.6

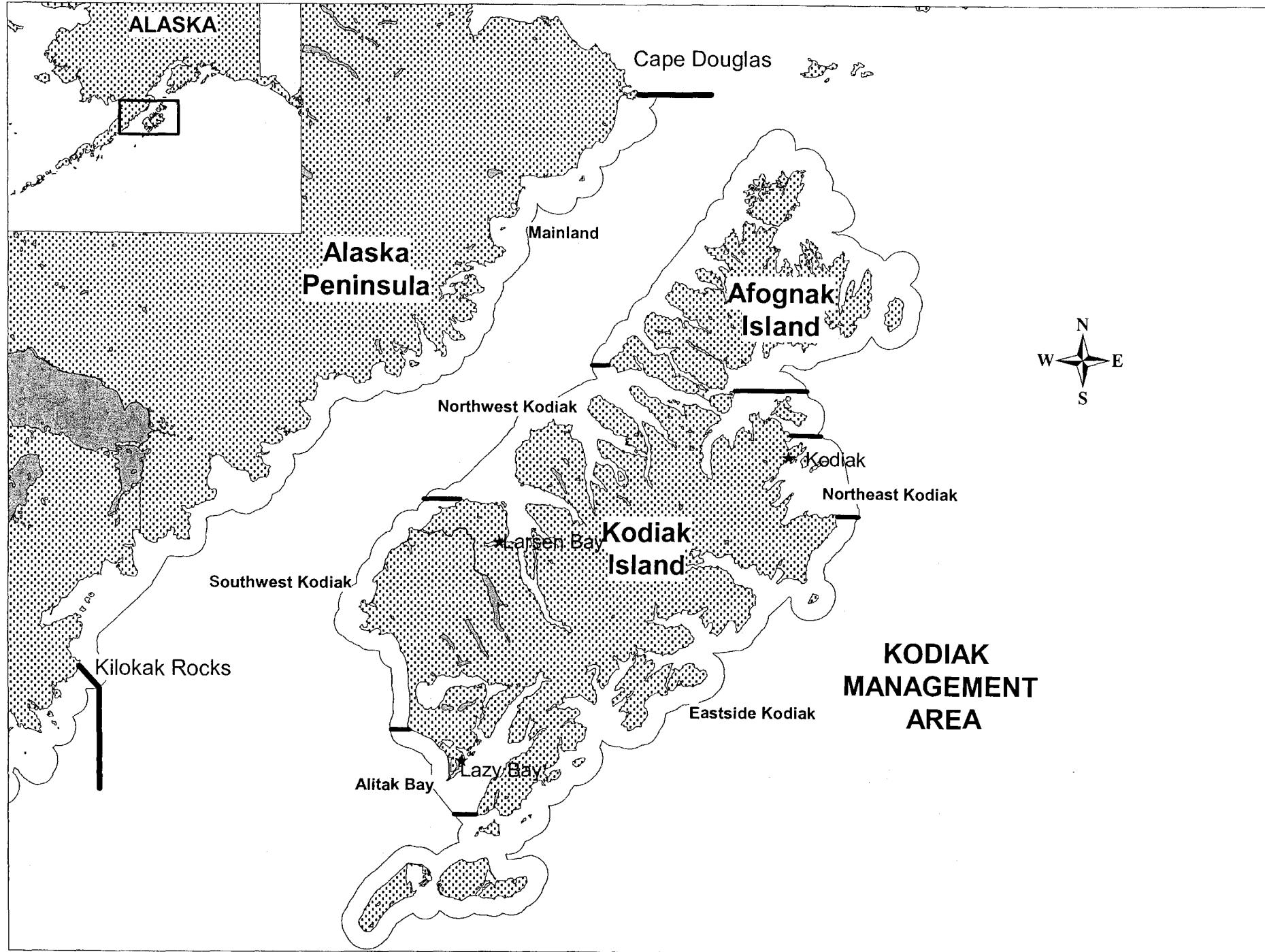


Figure 1. Map of the Kodiak Management Area identifying commercial salmon fishing districts and processing facility locations.

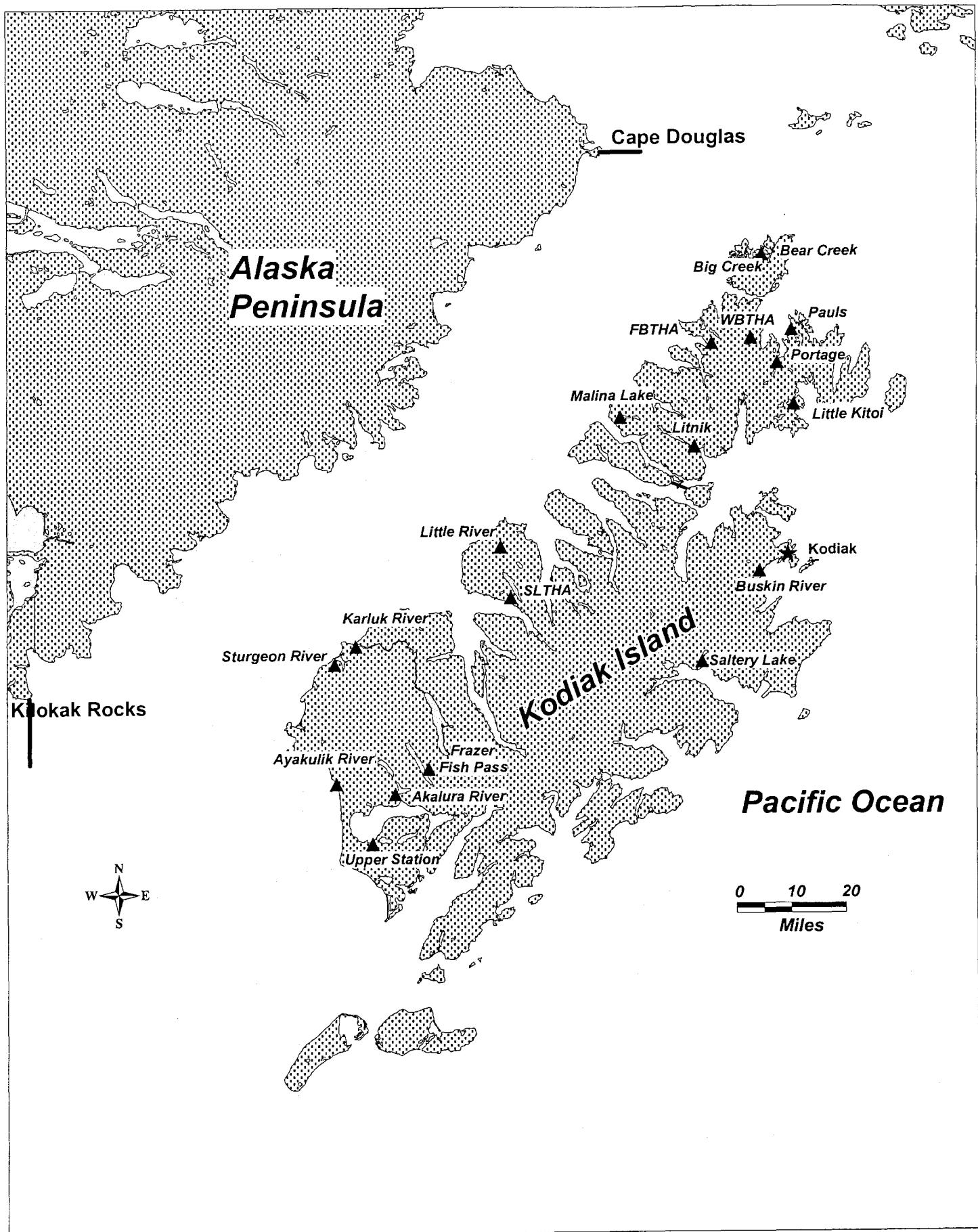


Figure 2. Salmon escapement sampling locations in the Kodiak Management Area, 2001.

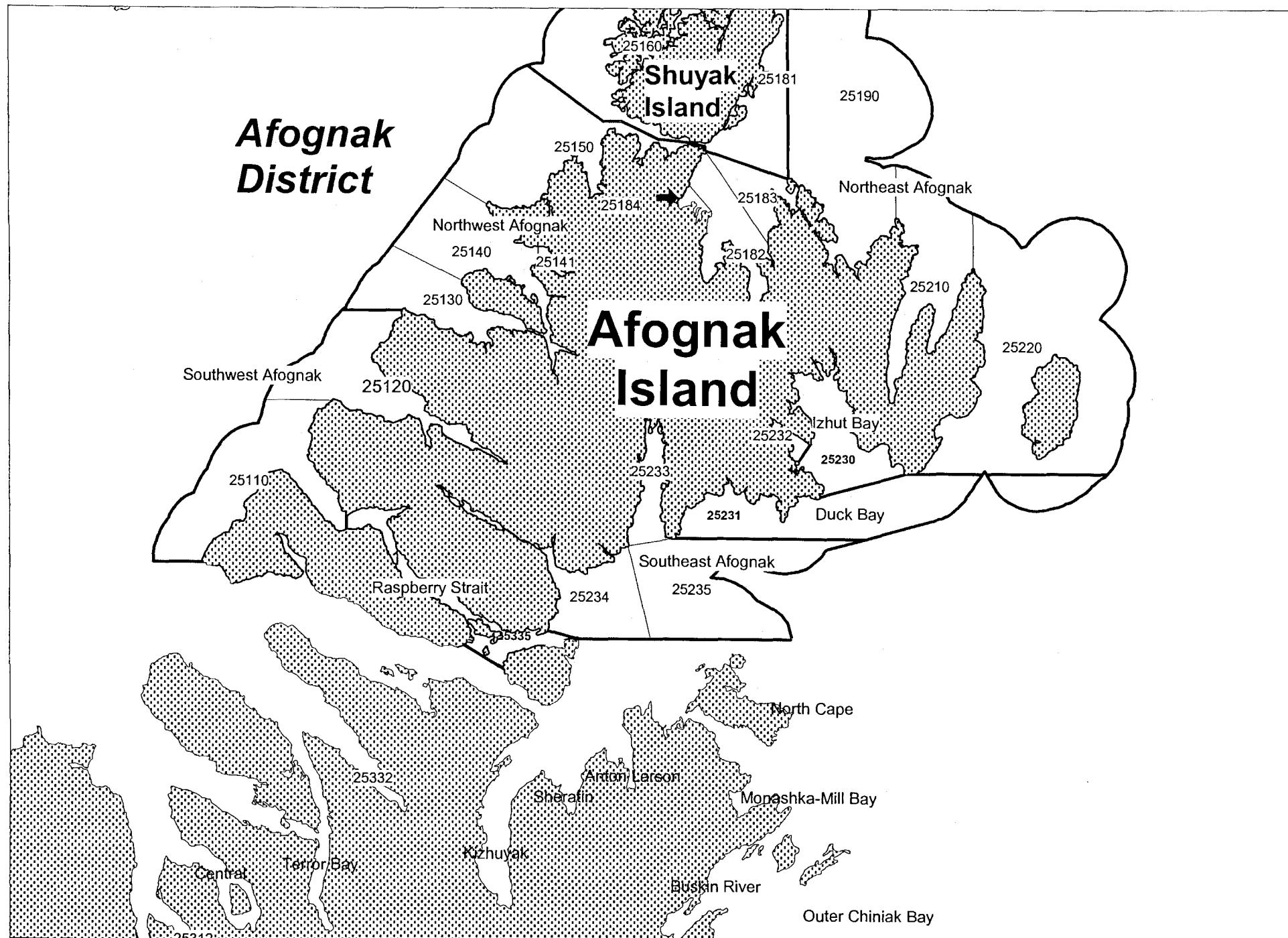


Figure 3. Map of the Afognak District identifying commercial salmon fishing sections and statistical areas.

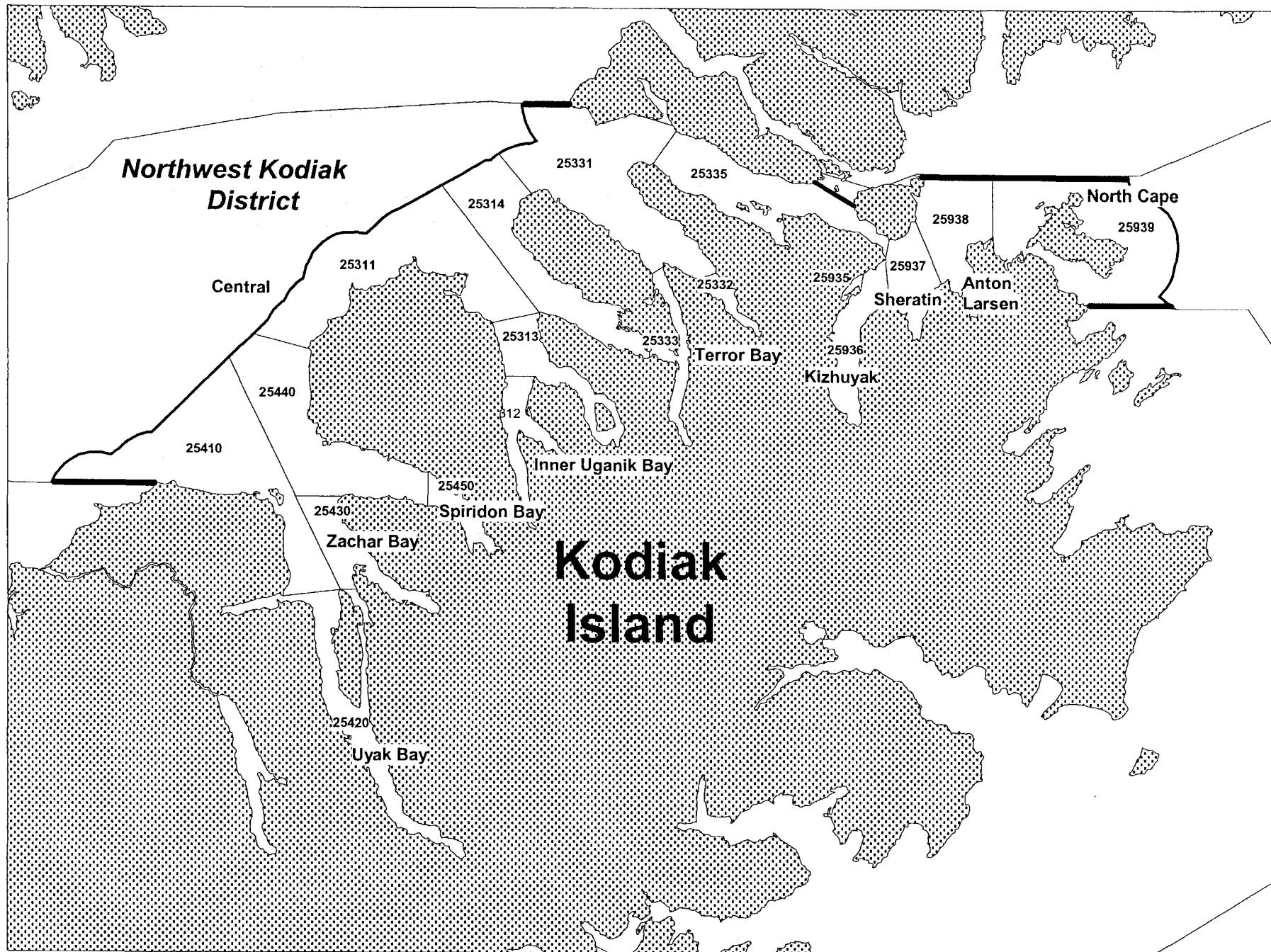


Figure 4. Map of the Northwest Kodiak District identifying commercial salmon fishing sections and statistical areas.

Kodiak Island

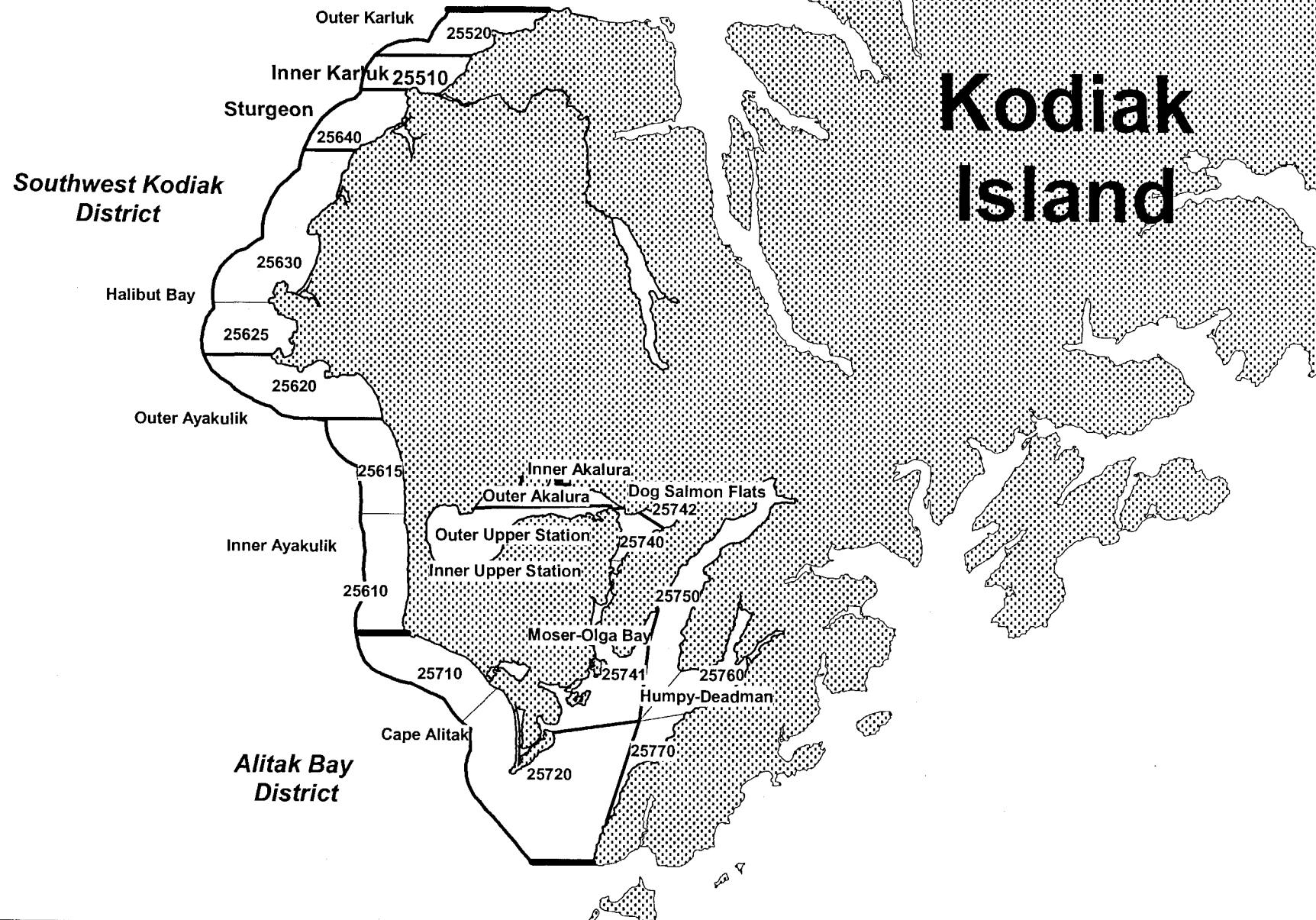


Figure 5. Map of the Southwest Kodiak and Alitak Bay Districts identifying salmon fishing sections and statistical areas.

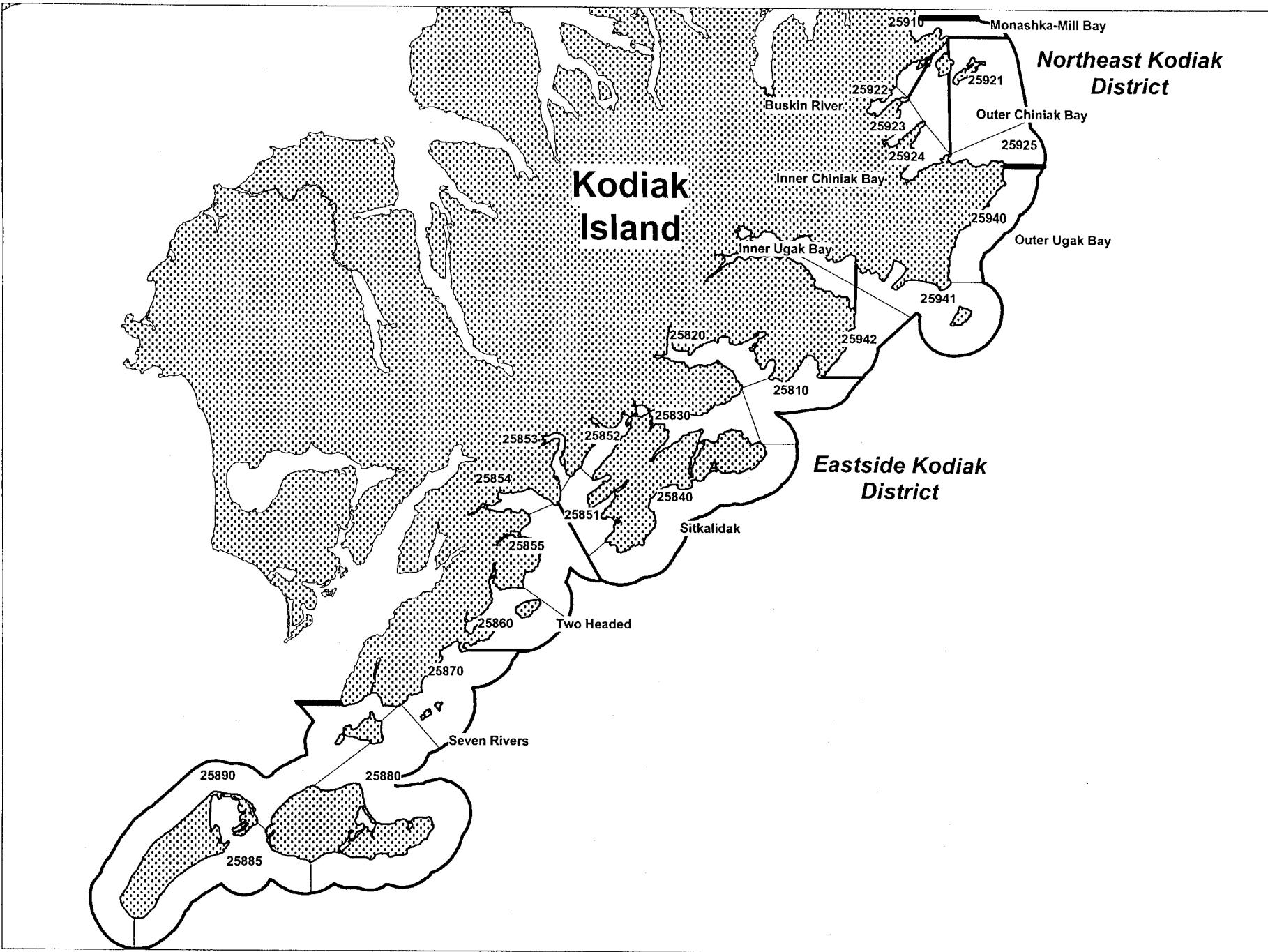


Figure 6. Map of the Northeast Kodiak and Eastside Kodiak districts identifying commercial salmon fishing sections and statistical areas.

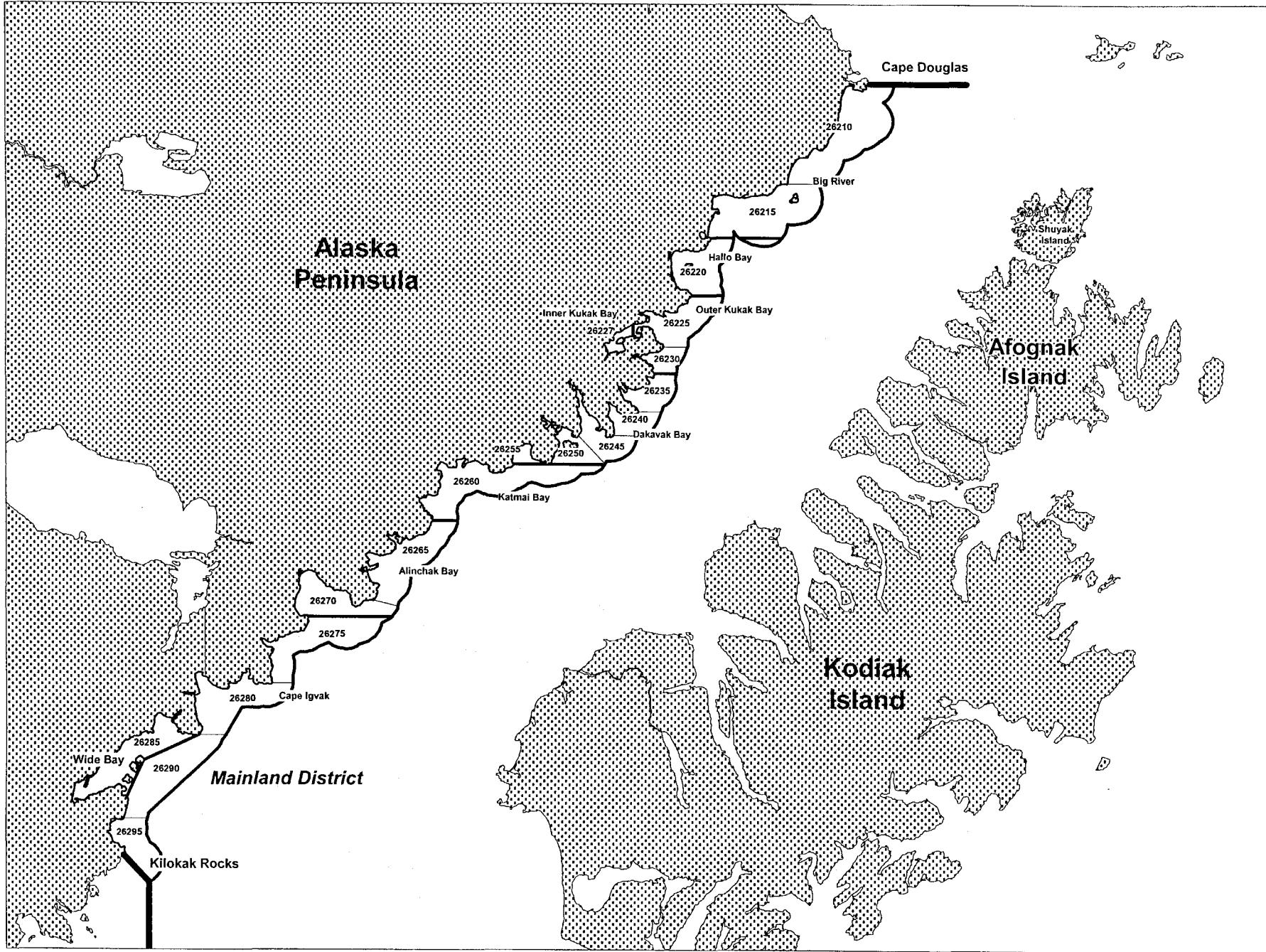


Figure 7. Map of the Mainland District identifying commercial salmon fishing sections and statistical areas.

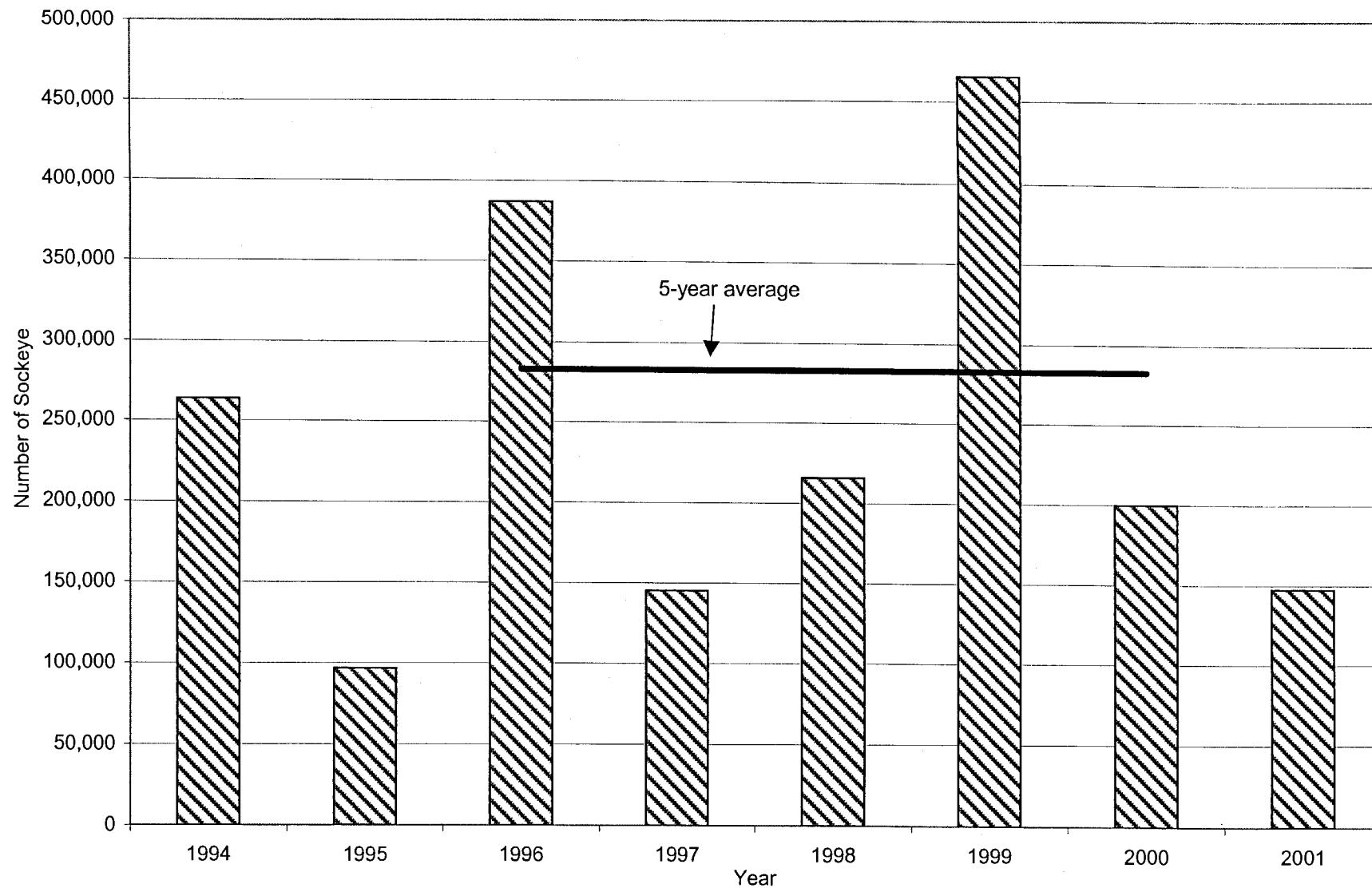


Figure 8. Spiridon Lake sockeye salmon catch (run) estimates, 1994-2001, and the 5-year average estimated run (1996-2000).

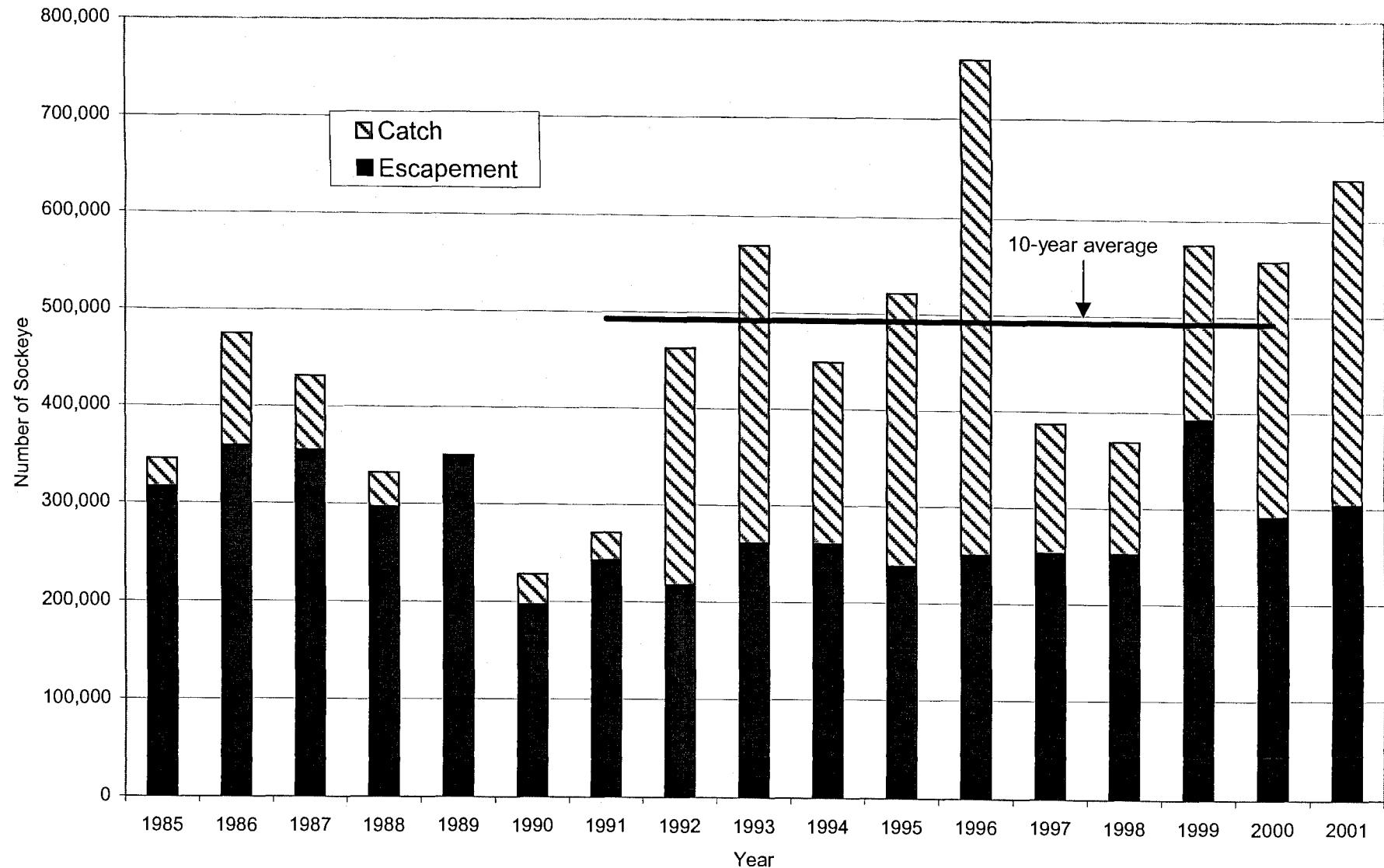


Figure 9. Karluk Lake early-run sockeye salmon escapement, catch, and run estimates, 1985-2001, and the recent 10-year average estimated run (1991-2000).

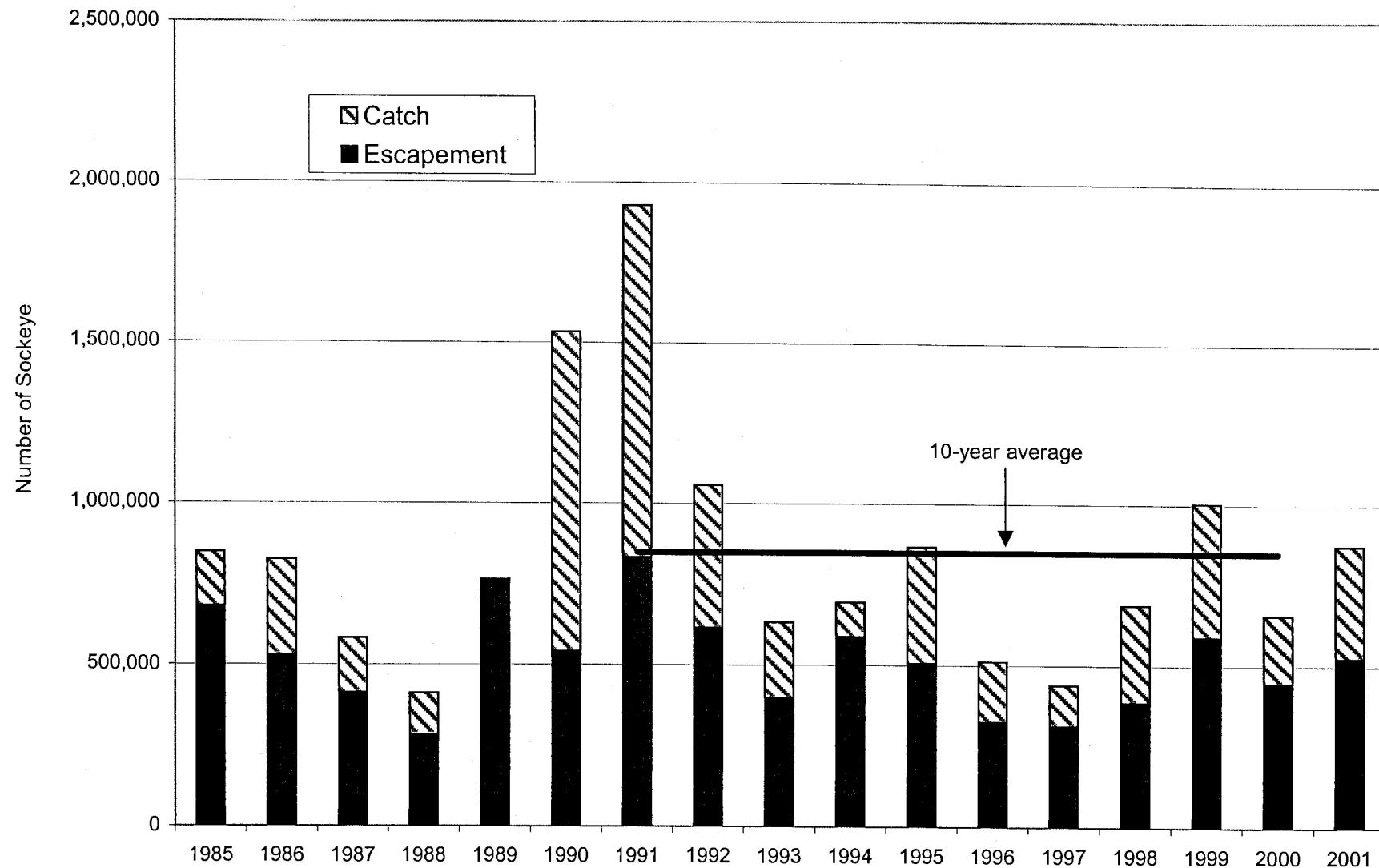


Figure 10. Karluk Lake late-run sockeye salmon escapement, catch, and run estimates, 1985-2001, and the recent 10-year average estimated run (1991-2000).

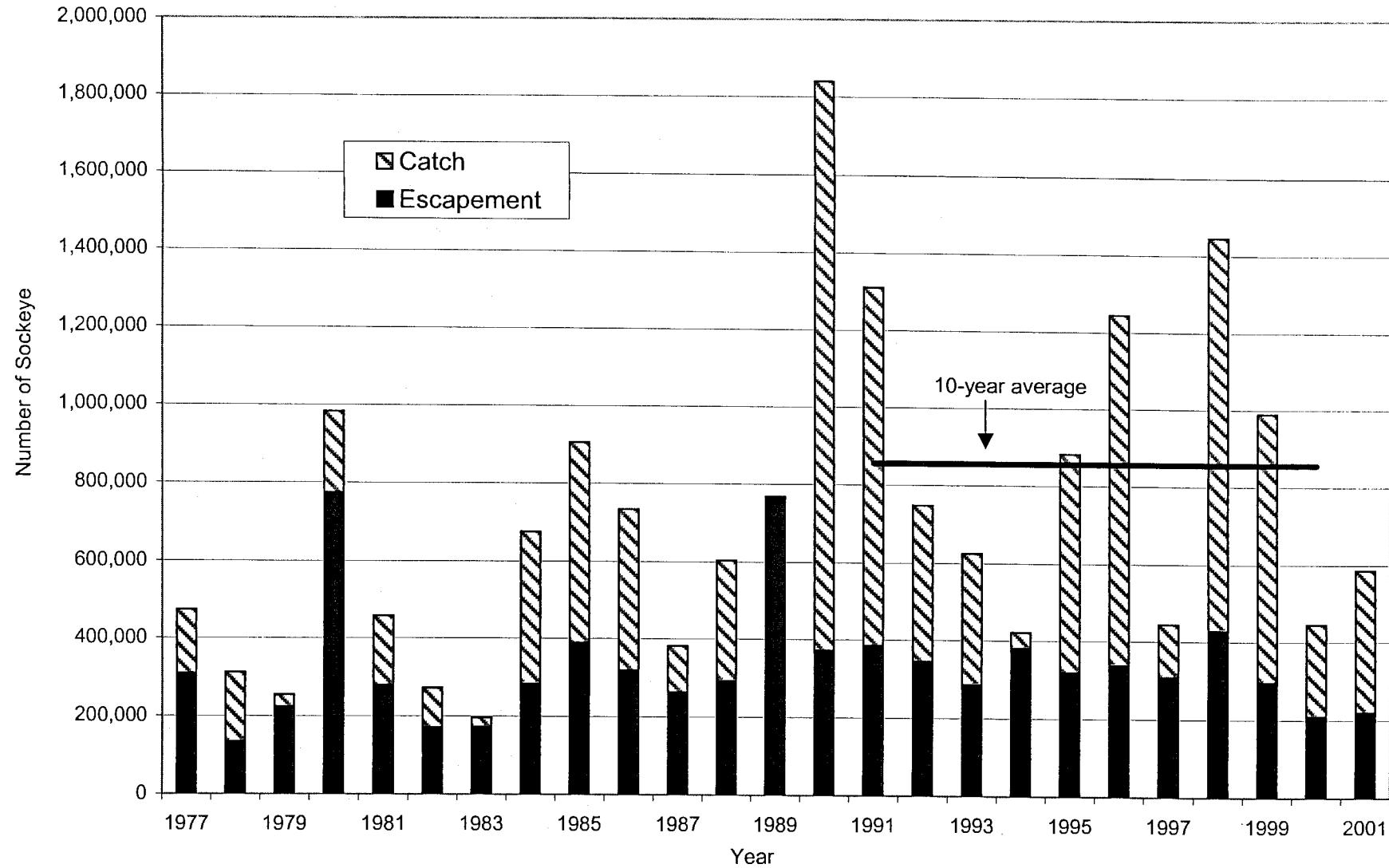


Figure 11. Red Lake (Ayakulik River) sockeye salmon escapement, catch, and run estimates, 1977-2001, and the recent 10-year average estimated run (1991-2000).

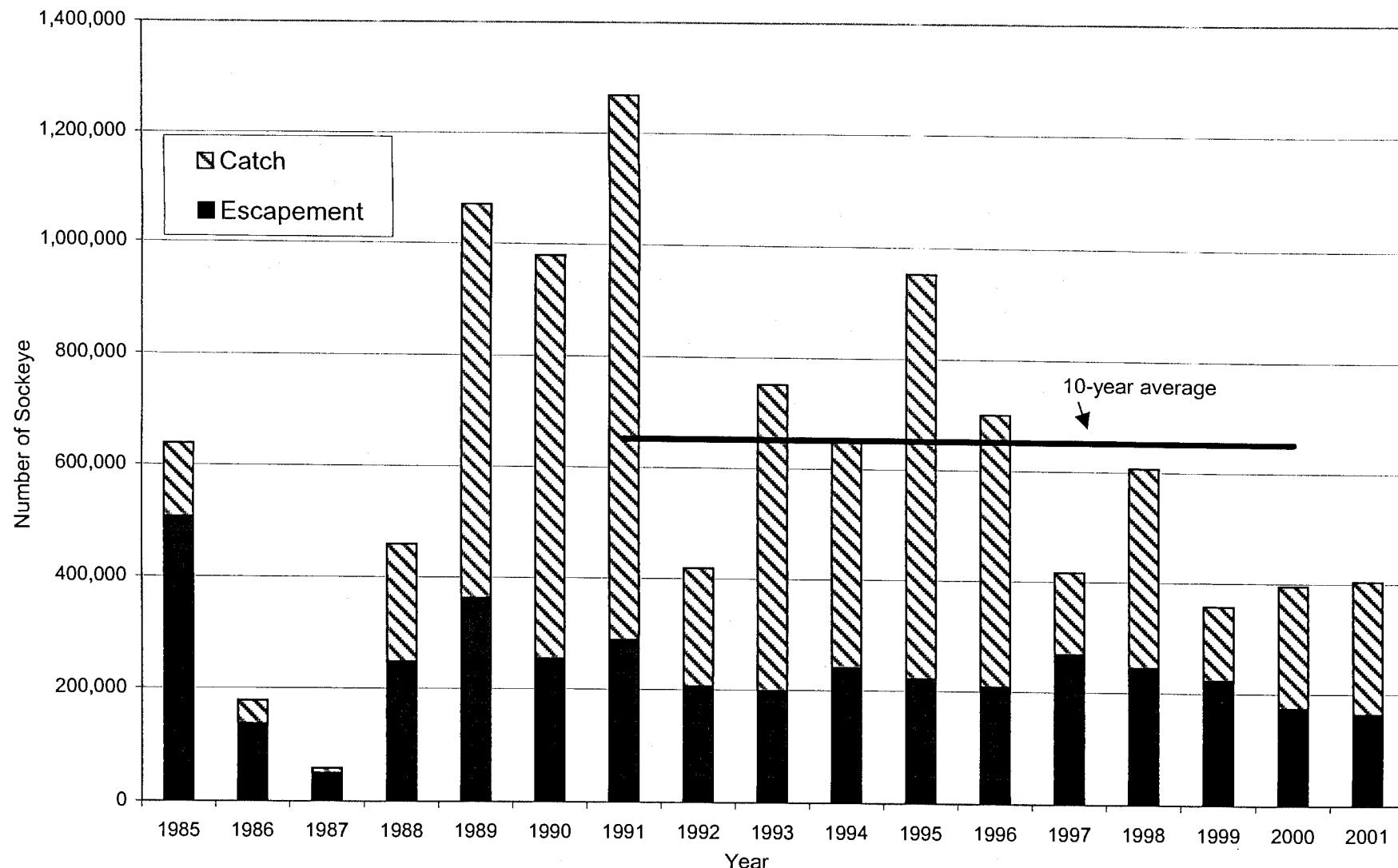


Figure 12. Frazer Lake sockeye salmon escapement (Dog Salmon weir counts), catch, and run estimates, 1985-2001, and the recent 10-year average estimated run (1991-2000).

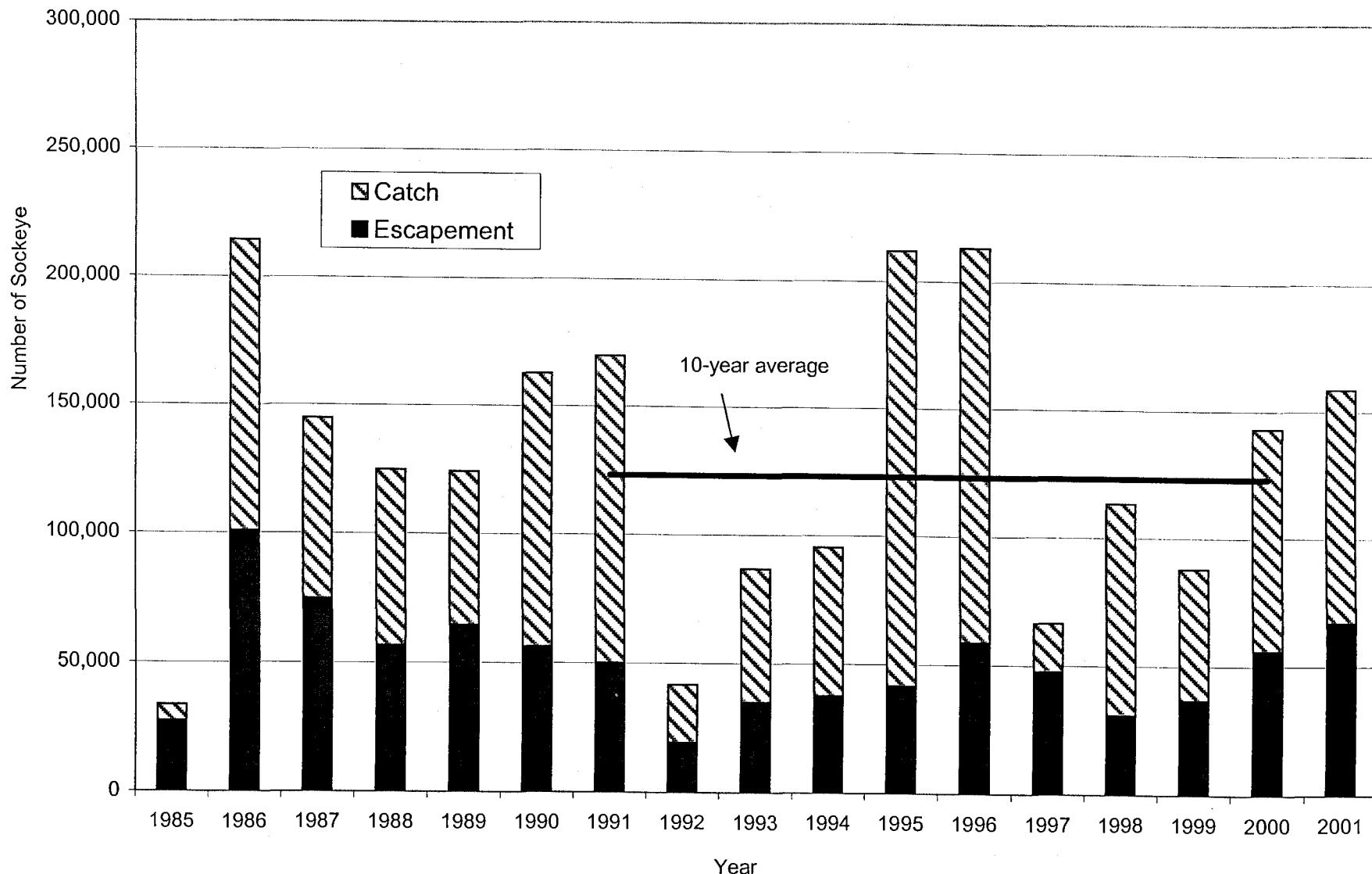


Figure 13. Olga Lakes (Upper Station) early-run sockeye salmon escapement, catch, and run estimates, 1985-2001, and the recent 10-year average estimated run (1991-2000).

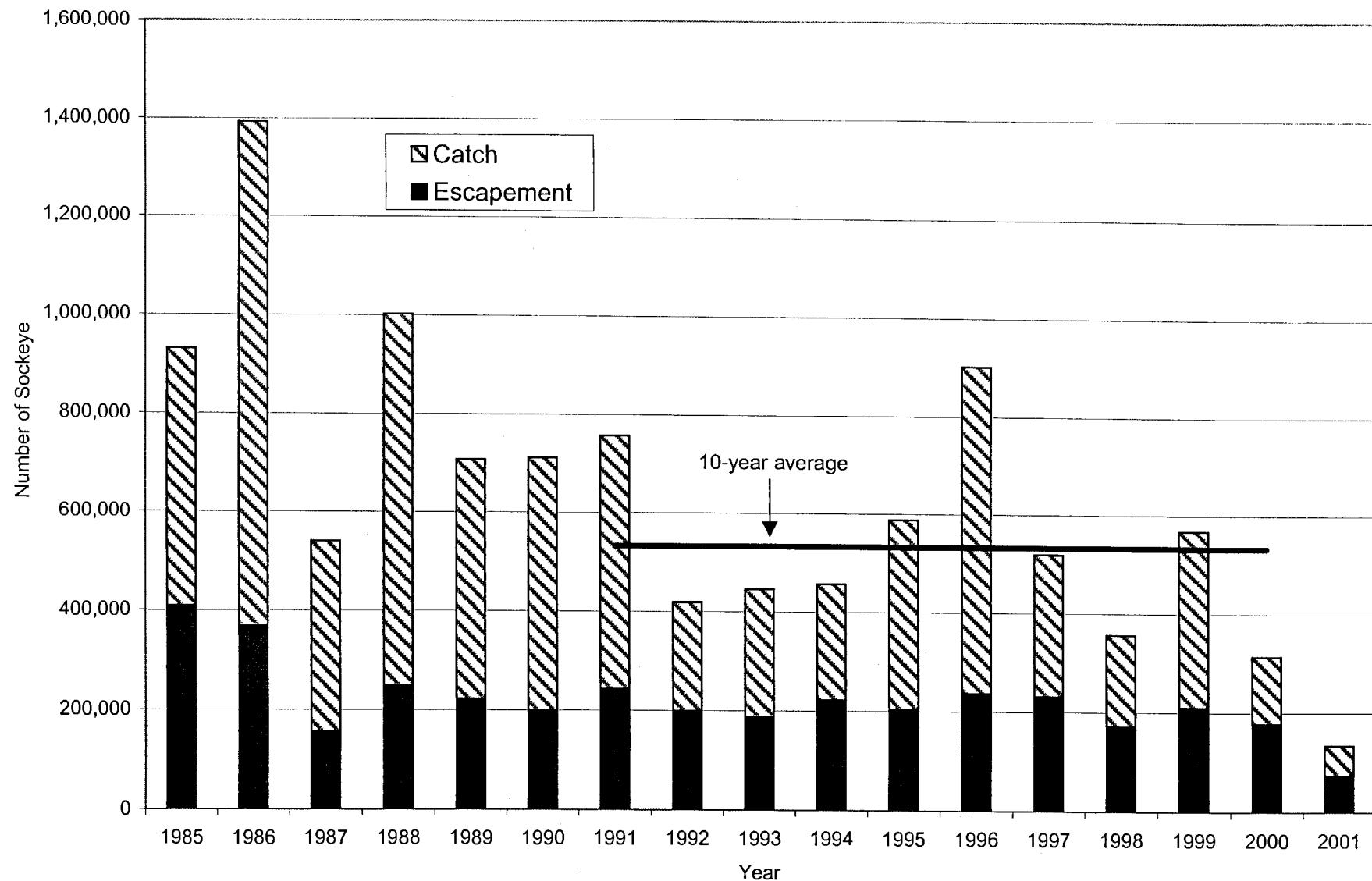


Figure 14. Olga Lakes (Upper Station) late-run sockeye salmon escapement, catch, and run estimates, 1985-2001, and the recent 10-year average estimated run (1991-2000).

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